

**Instructions**  
**Notice de montage**  
**Bauanleitung**  
**istruzioni di montaggio**  
**Instrucciones de montaje**  
**Instruções de montagem**

**Monteringsanvisning**  
**Kokoamisohje**  
**Monterings instruktioner**  
**Montagehandleiding**  
Οδηγίες συναρμολόγησης.  
組立説明書



#9902

7+





p.6



p.21



p.31



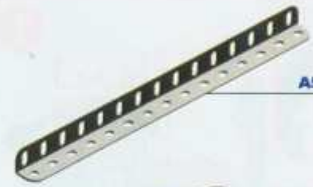
p.39



**B954 x1**



**A045 (J0045) x2**



**A509 (00088) x2**



**B729 x5**



**A142 (0142R) x2**



**A189 (0089) x12**



**B722 x5**



**A187 (0187C) x4**



**A202 (0002) x3**



**B732 x23**



**A128 (0028P3P) x1**



**B482 x6**



**B753 x1**



**A327 (0027P3P) x2**



**A304 (0004) x4**



**B756 x10**



**A631 (0025D3P) x1**



**A269 (0072) x1**



**B728 x79**



**A326 (0026P3P) x1**



**A455 (0161) x1**



**B727 x15**



**A313 (0213D3P) x1**



**A271 (0090A) x2**



**B953 x2**



**A444 (0144C) x2**



**A043 (0043) x2**



**B739 x1**



**B051 x1**



**B965 x2**  
135 mm  
5 5/16"



**B742 x1**



**B146 (0006) x2**



**A316 (0316) x2**  
90 mm  
3 1/2"



**B956 x1**



**A506 (0006A) x1**



**A516 (0316A) x1**  
60 mm  
2 1/2"



**B777 x2**



**A548 (0048E) x4**



**A512 (0012B) x1**



**B778 x4**



**A512 (0012B) x1**



**A317 (0317) x3**  
50 mm  
2"



**A712 (0012C) x9**



**A318 (0318A) x2**  
40 mm  
1 9/16"



**A012 (0012) x20**



**B775 x21**  
A | 31,7 mm  
1 5/8"



**B776 x17**  
A | 31,7 mm  
1 5/8"



**B726 x34**  
B | 25,4 mm  
1"



**B746 x35**  
B | 25,4 mm  
1"



**B725 x113**  
C | 19 mm  
3/4"



**B745 x106**  
C | 19 mm  
3/4"



**B724 x119**  
D | 12,7 mm  
1/2"



**B744 x114**  
D | 12,7 mm  
1/2"



**A238 (0038A) x9**



**A259 (0059C) x14**



**A138 (0038) x8**



**B752 x1**



**A136 (0036C) x1**

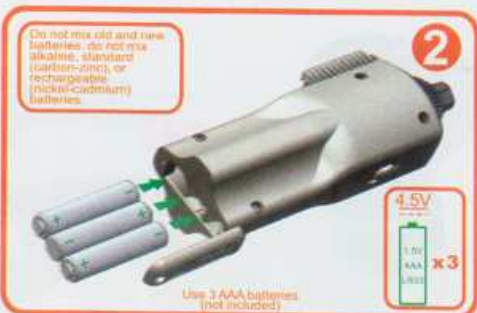


**B757 x1**





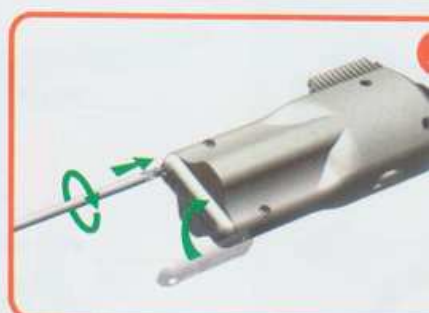
1



2

Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.

Use 3 AAA batteries (not included)

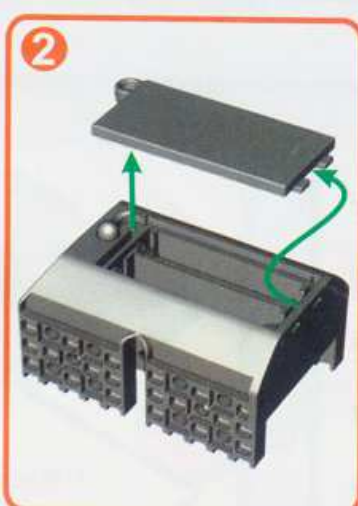


4

**The power tool transforms into a motor!**  
**La visseuse se transforme en moteur!**  
**Der Schraubendreher wird zum Motor!**  
**L'avvitatore si trasforma in motore!**  
**!La atornilladora se transforma en motor!**  
**De schroevendraaier wordt zo een motor!**  
**ドライバーがモーターに変身します。**



1



2



3

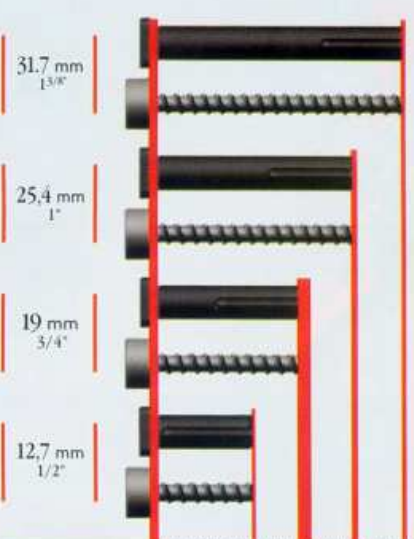
Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.

Use 2 AAA batteries (not included)



4



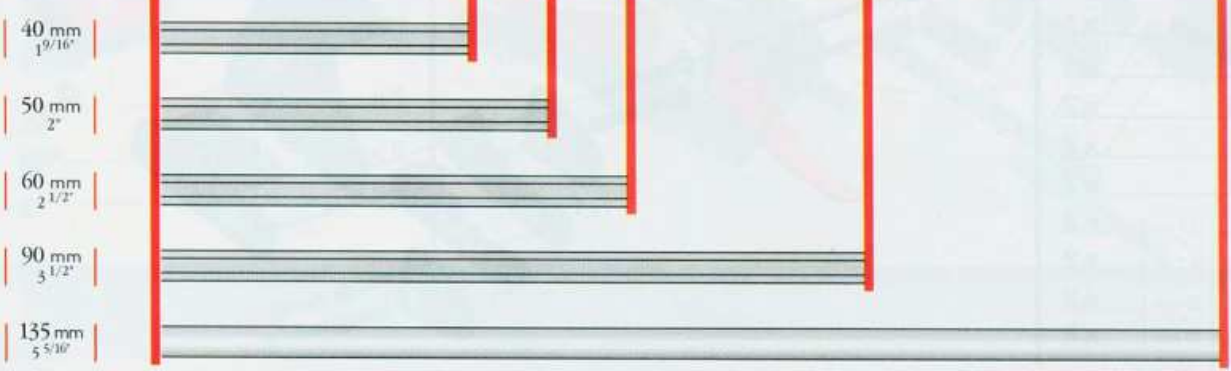


Scale  
Echelle  
Maßstab  
Scala

Escala  
Schaal  
Escala  
Skala

1:1

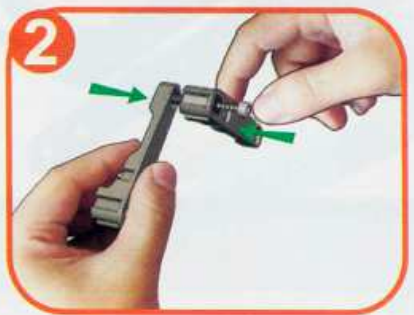
Mittakaava  
Målestok  
Κλίμακα  
スケール



**CONSTRUCTION TIPS**  
ASTUCES DE CONSTRUCTION  
KONSTRUKTIONS-TIPPS

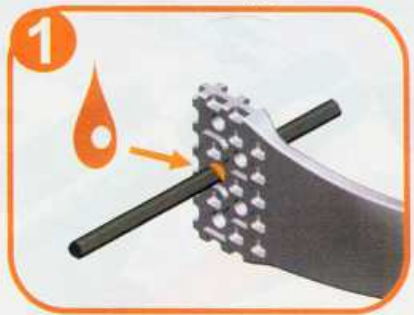
LE ASTUZIE DELLA COSTRUZIONE  
LOS INGENIOS DE LA CONSTRUCCION  
DE FIJNE KNEEPJES VAN NET BOUWEN

組み立ての秘訣



**Oil** Huile Öl Olio Oleo Olie Ölly Olie Óleo Olja Ἄδιον オイル

Add oil on the moving parts.  
Ajoute de l'huile sur les pièces en mouvements.  
Aplica el aceite en las piezas del mecanismo.

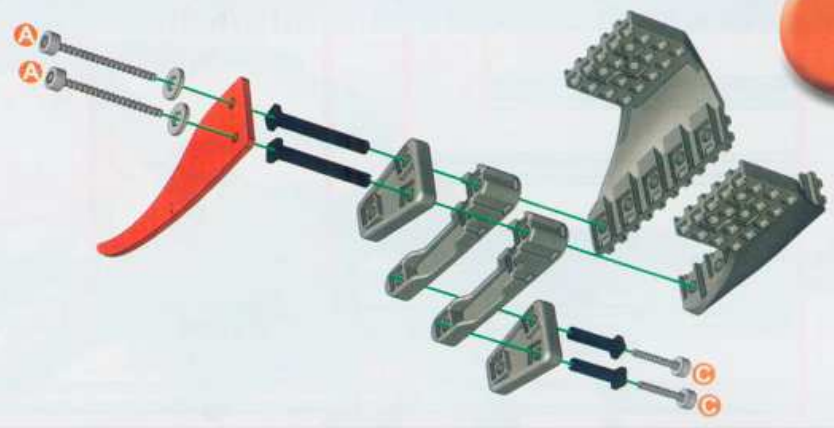






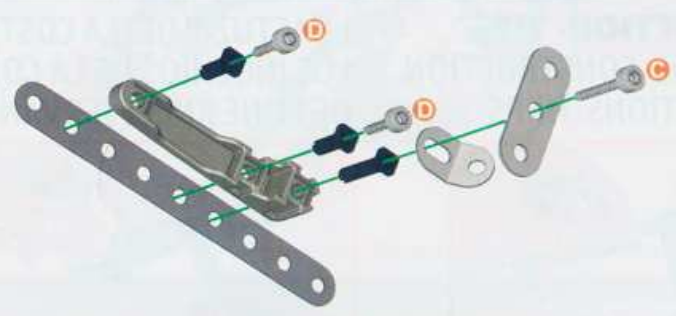
**1**

- x1
- x1
- x1
- x2
- x2
- x2
- x2
- 31,7 mm 1 3/8" x2
- 31,7 mm 1 3/8" x2
- 19 mm 5/4" x2
- 19 mm 5/4" x2



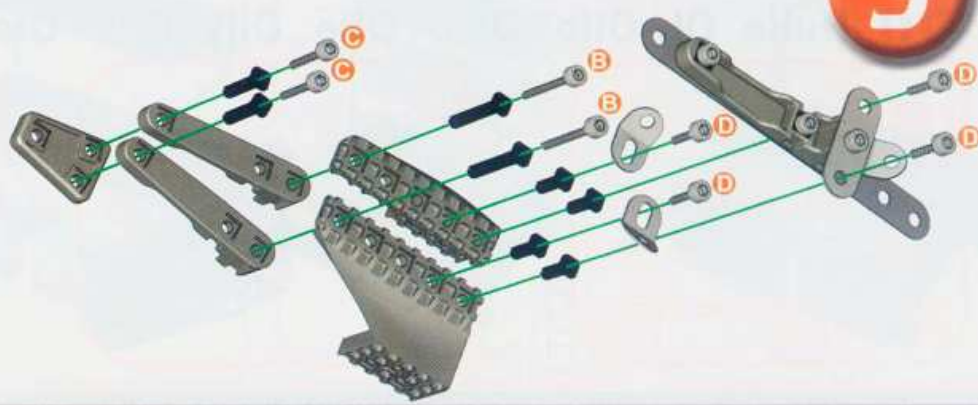
- x1
- x1
- x1
- x1
- 19 mm 5/4" x1
- 19 mm 5/4" x1
- 12,7 mm 1/2" x2
- 12,7 mm 1/2" x2

**2**



- x1
- x1
- x2
- x1
- x2
- 25,4 mm 1" x2
- 25,4 mm 1" x2
- 19 mm 5/4" x2
- 19 mm 5/4" x2
- 12,7 mm 1/2" x4
- 12,7 mm 1/2" x4

**3**

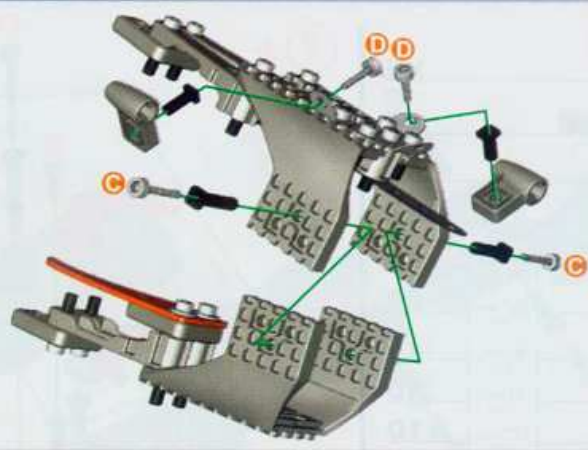




4

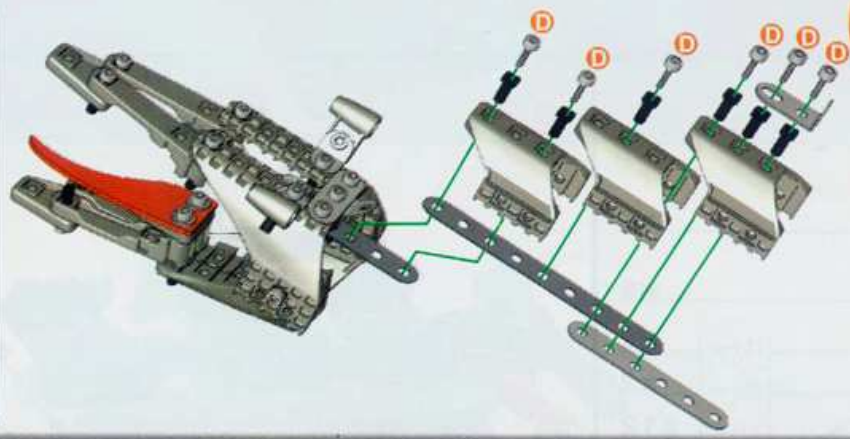
1 + 3 +

-  x2
-  (C) 19 mm 3/4" x2
-  (C) 19 mm 3/4" x2
-  (B) 12,7 mm 1/2" x2
-  (D) 12,7 mm 1/2" x2










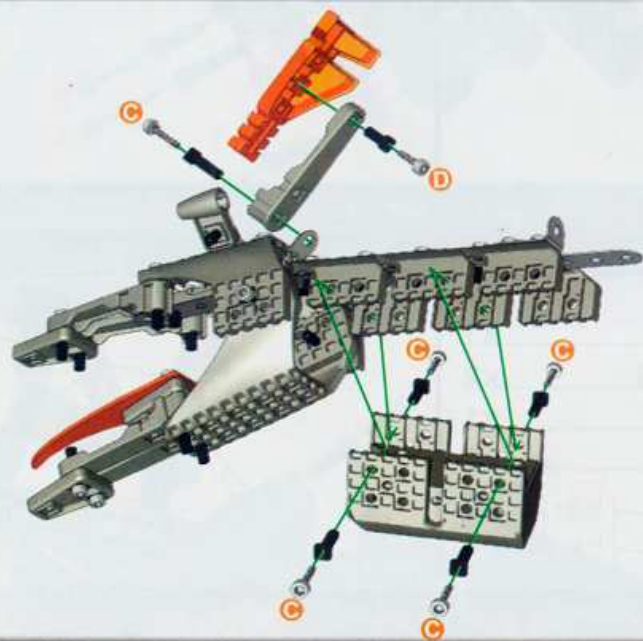
5

-  x1
-  x1
-  x3
-  x1
-  (D) 12,7 mm 1/2" x6
-  (D) 12,7 mm 1/2" x6







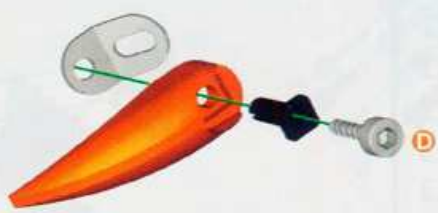
6

-  x1
-  x1
-  x1
-  (C) 19 mm 3/4" x5
-  (C) 19 mm 3/4" x5
-  (B) 12,7 mm 1/2" x1
-  (D) 12,7 mm 1/2" x1



7

-  x4
-  x4
-  (D) 12,7 mm 1/2" x4
-  (D) 12,7 mm 1/2" x4



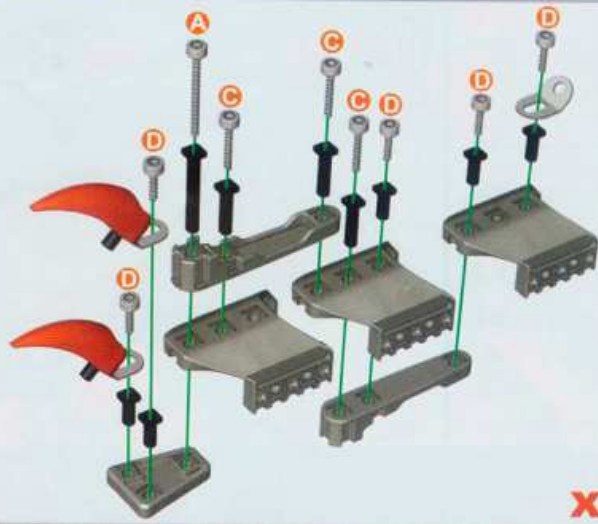
x4 



8

-  x6
-  x4
-  x2
-  x2
-  x2
-  x2
-  x6
-  x6
-  x10
-  x10

7 +

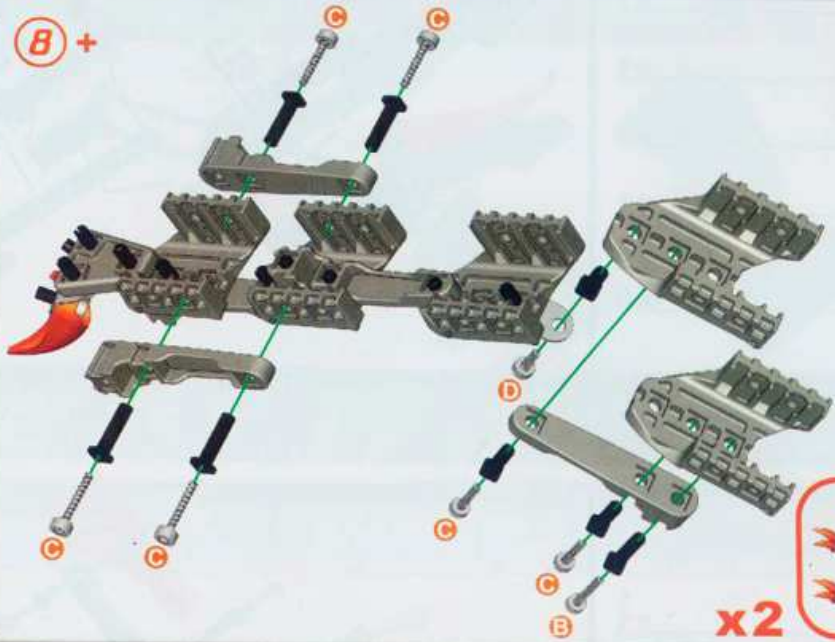


x2

9

-  x4
-  x6
-  x2
-  x2
-  x12
-  x12
-  x2
-  x2

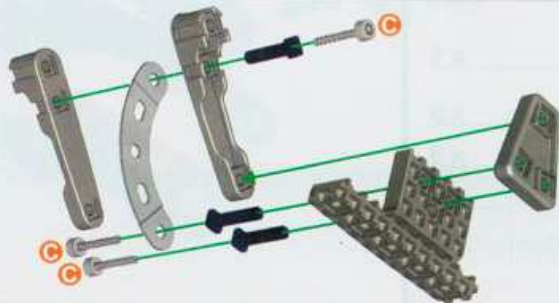
8 +









x2

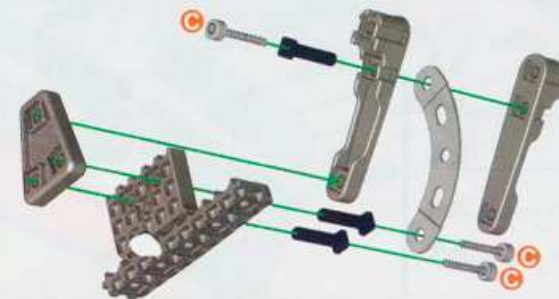
10

-  x1
-  x2
-  x1
-  x1
-  x3
-  x3



11

-  x1
-  x2
-  x1
-  x1
-  x3
-  x3

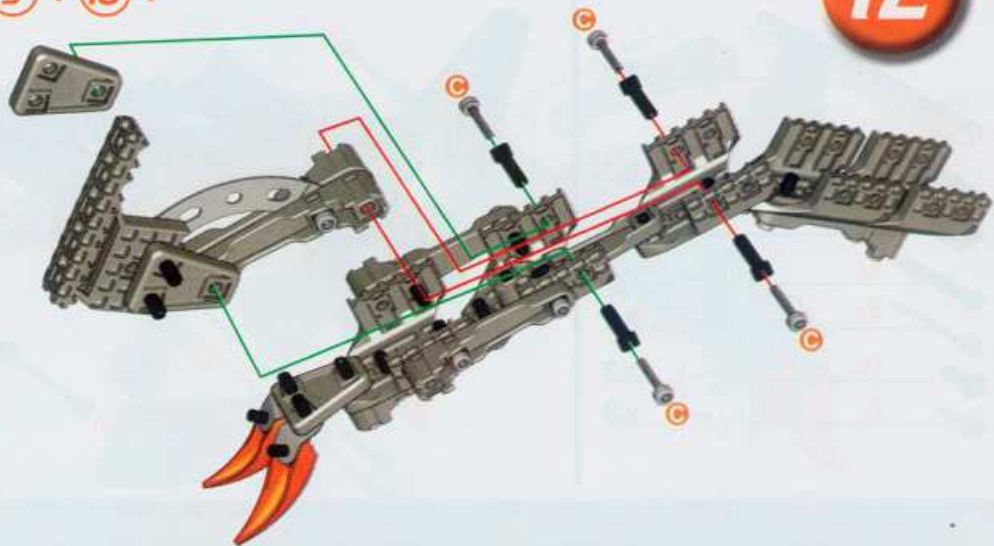




12

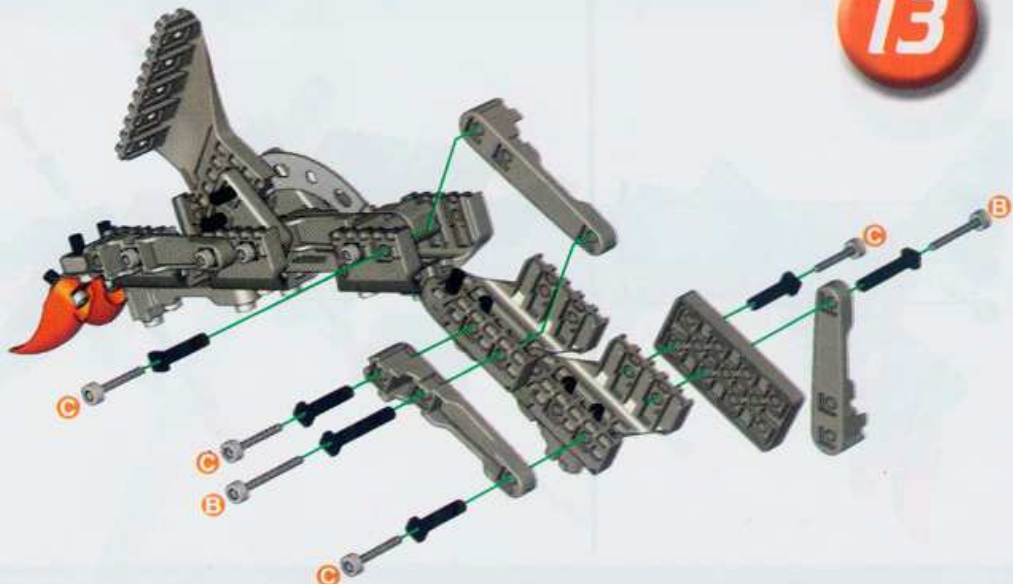
9 + 10 +

-  x1
-  (C) x4
-  (C) x4







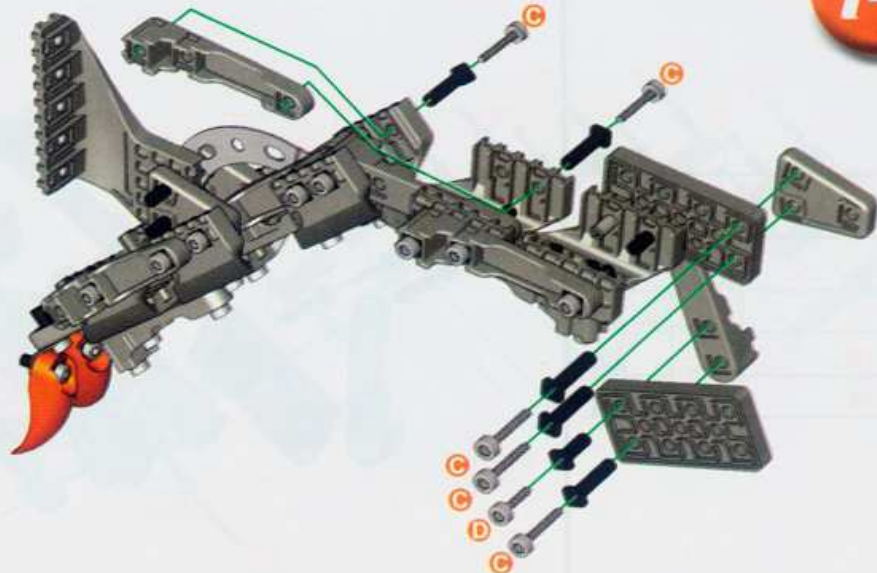
13

-  x1
-  x3
-  (B) x2
-  (B) x2
-  (C) x4
-  (C) x4






14

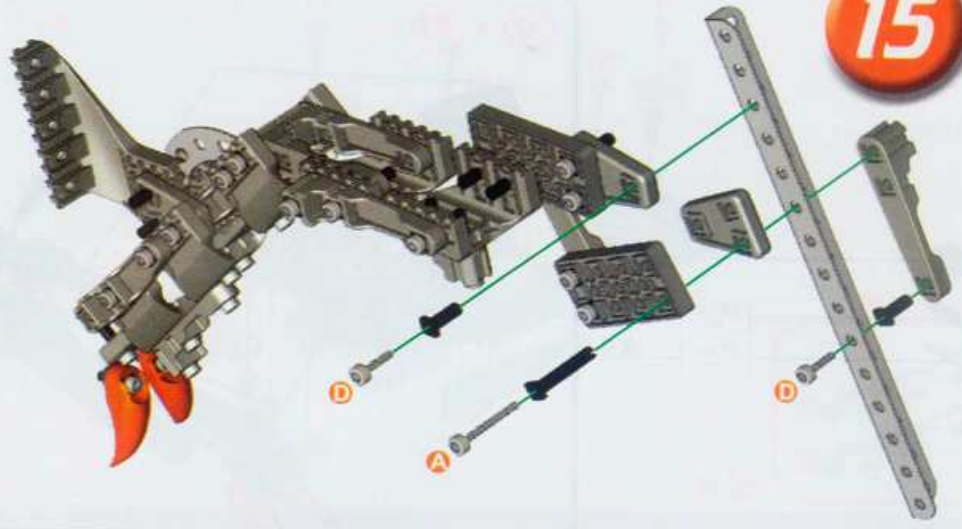
-  x1
-  x1
-  x1
-  (C) x5
-  (C) x5
-  (D) x1
-  (D) x1





15

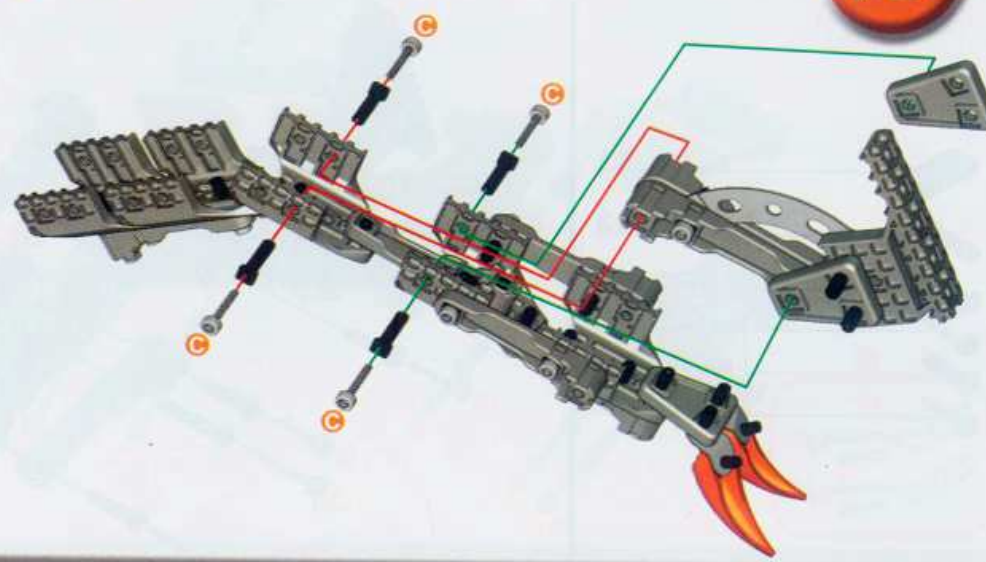
-  **x1**
-  **x1**
-  **x1**
-  **x1** | 31.7 mm | 1 1/4"
-  **x1** | 31.7 mm | 1 1/4"
-  **x2** | 12.7 mm | 1/2"
-  **x2** | 12.7 mm | 1/2"









16

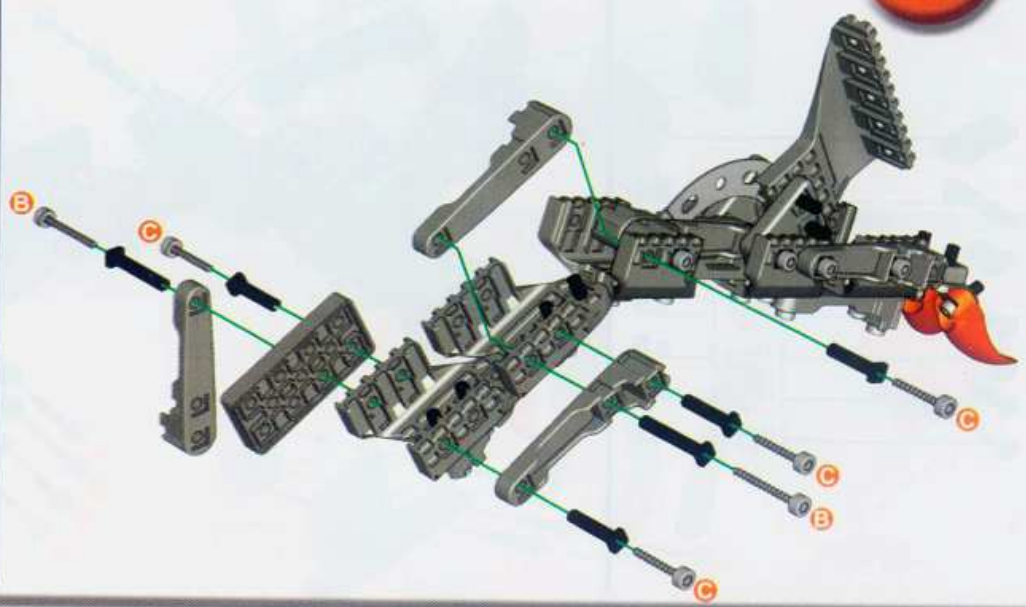
(9) + (11) +

-  **x1**
-  **x4** | 19 mm | 3/4"
-  **x4** | 19 mm | 3/4"










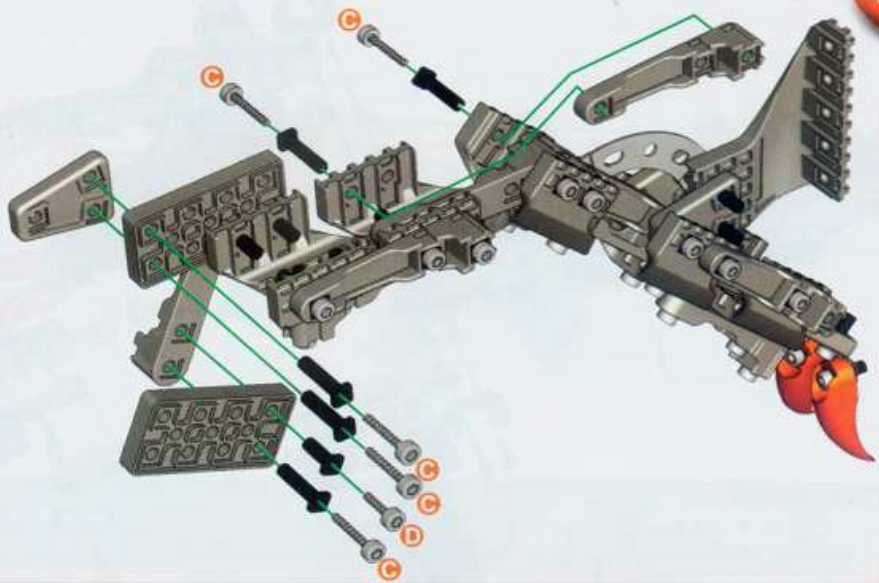
17








-  **x1**
-  **x3**
-  **x2** | 25.4 mm | 1"
-  **x2** | 25.4 mm | 1"
-  **x4** | 19 mm | 3/4"
-  **x4** | 19 mm | 3/4"

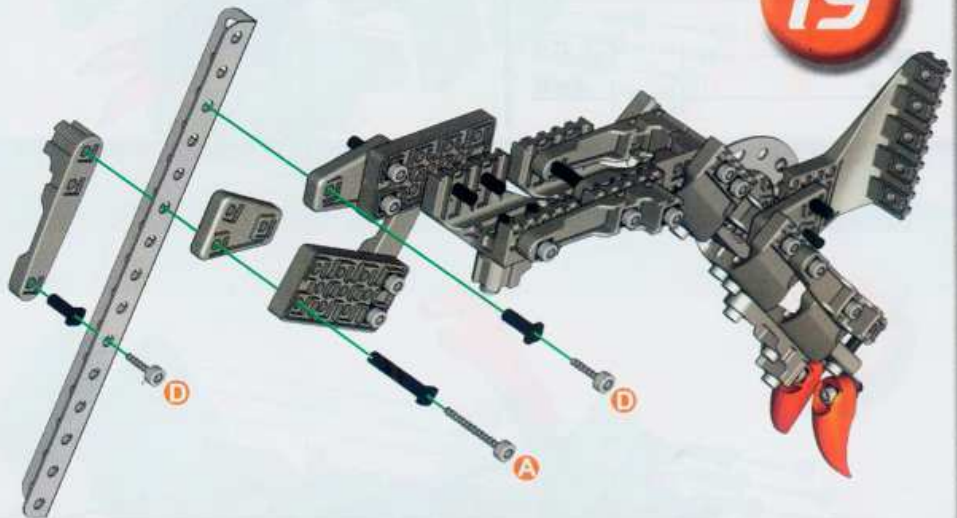




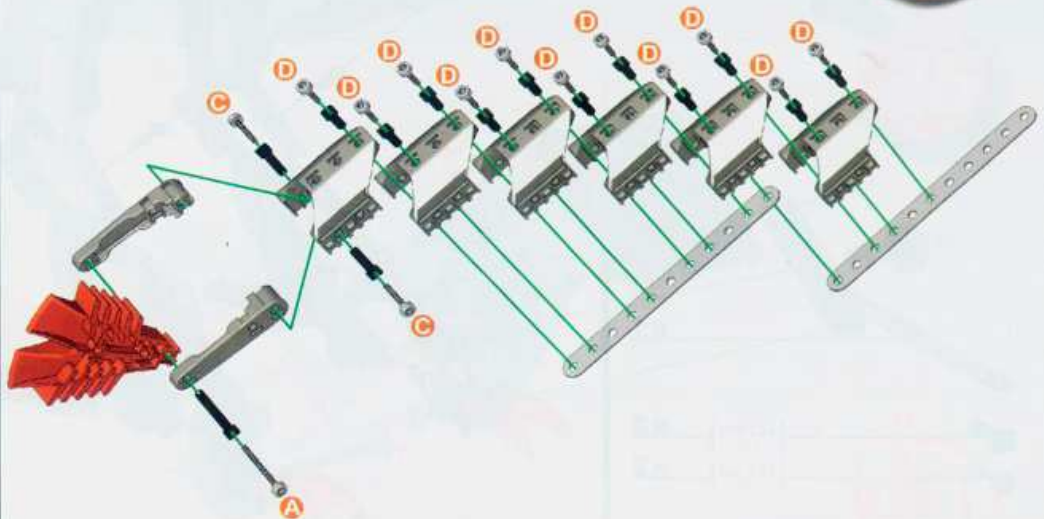
-  x1
-  x1
-  x1
-  (C) | 19 mm | x5
-  (C) | 19 mm | x5
-  (D) | 12,7 mm | x1
-  (D) | 12,7 mm | x1



-  x1
-  x1
-  x1
-  (A) | 31,7 mm | x1
-  (A) | 31,7 mm | x1
-  (D) | 12,7 mm | x2
-  (D) | 12,7 mm | x2

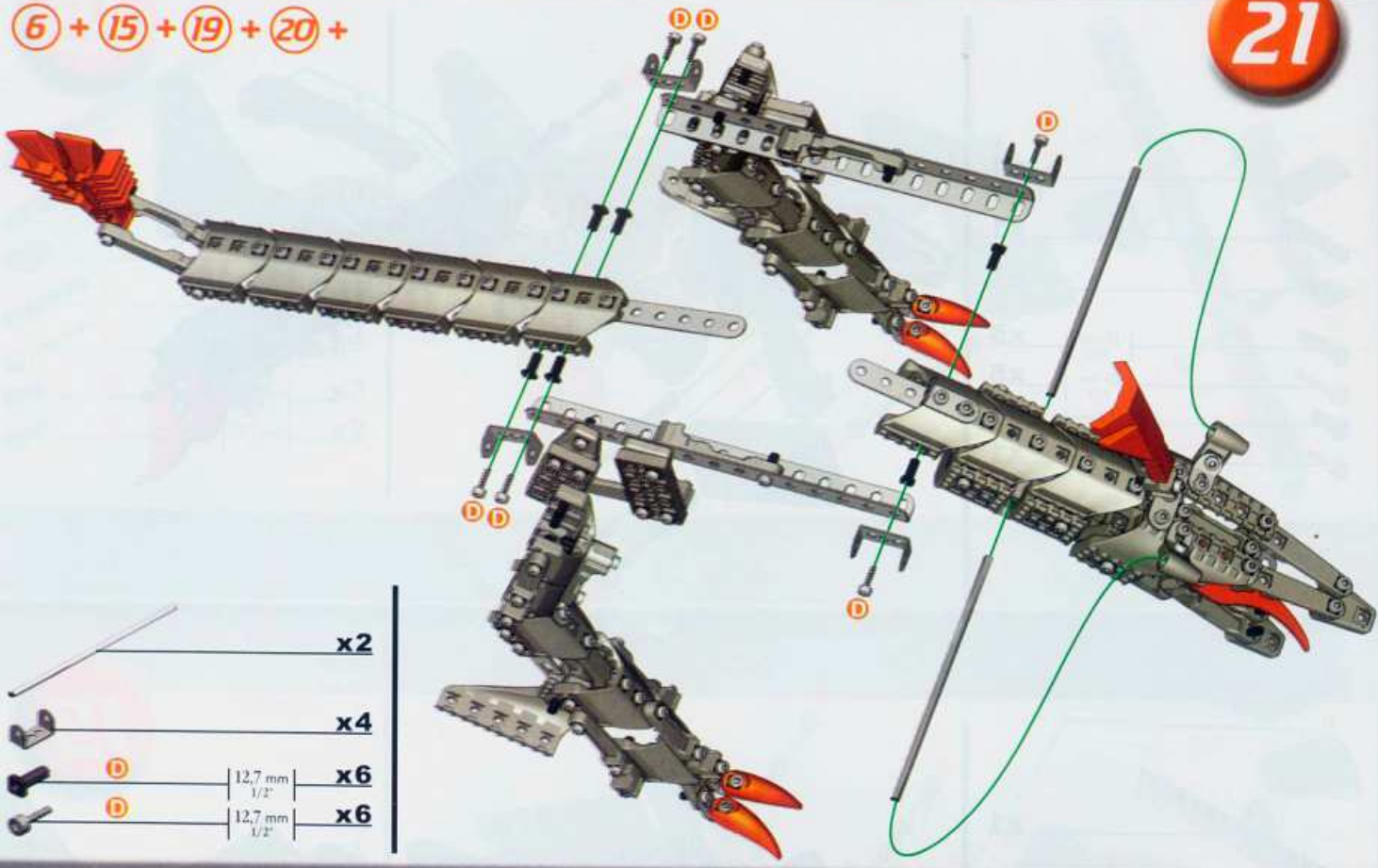






-  x2
-  x1
-  x6
-  x2
-  (A) | 31,7 mm | x1
-  (A) | 31,7 mm | x1
-  (C) | 19 mm | x2
-  (C) | 19 mm | x2
-  (D) | 12,7 mm | x11
-  (D) | 12,7 mm | x11

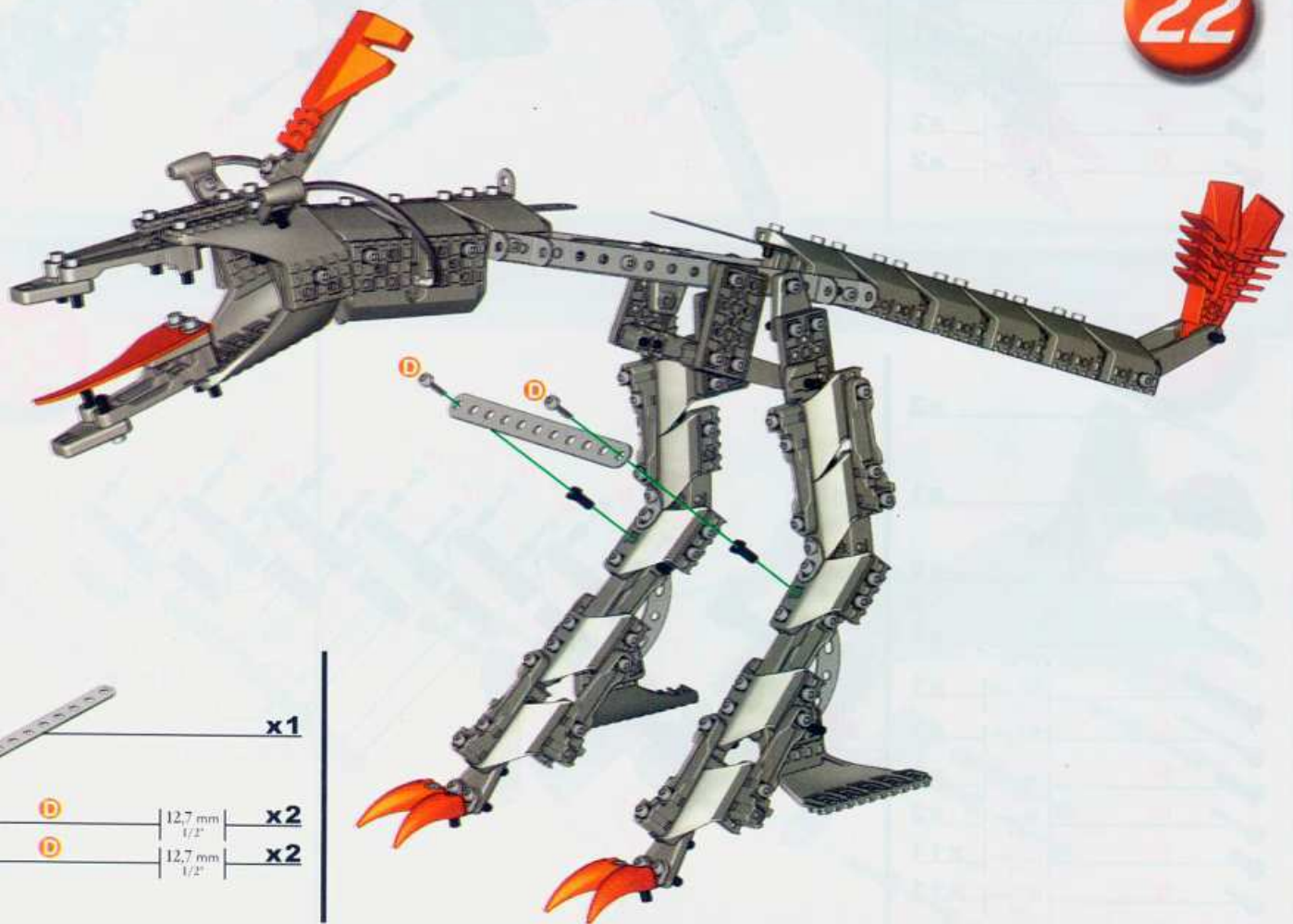







6 + 15 + 19 + 20 +



-  x2
-  x4
-  12,7 mm 1/2" x6
-  12,7 mm 1/2" x6

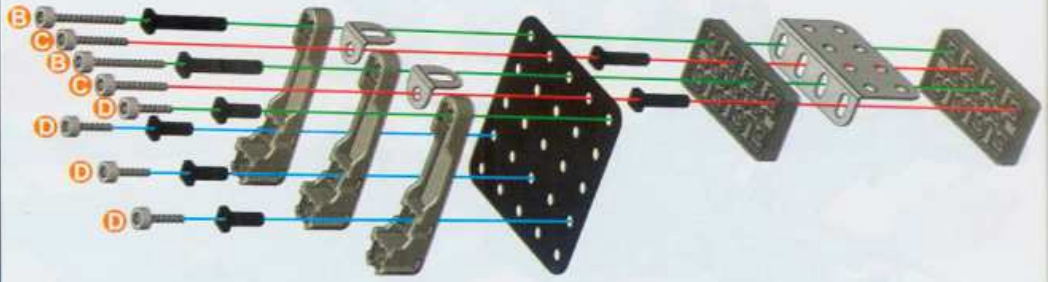


-  x1
-  12,7 mm 1/2" x2
-  12,7 mm 1/2" x2




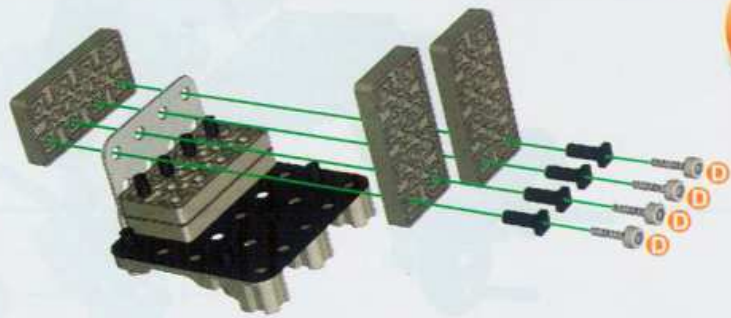
23

-  x1
-  x1
-  x2
-  x3
-  x2
-  (B) | 25,4 mm | x2
-  (B) | 25,4 mm | x2
-  (C) | 19 mm | x2
-  (C) | 19 mm | x2
-  (D) | 12,7 mm | x4
-  (D) | 12,7 mm | x4








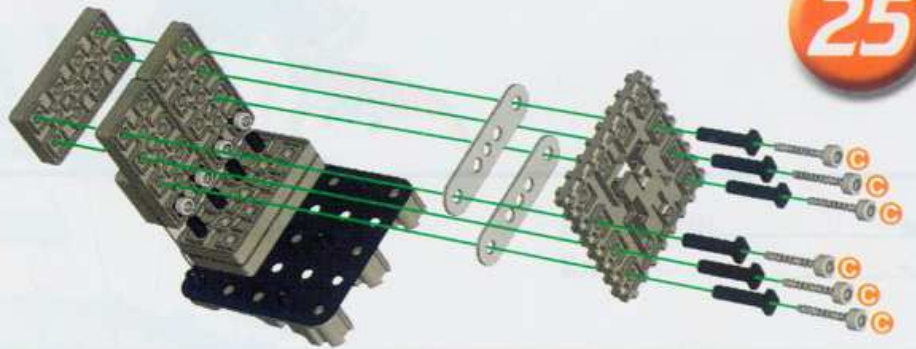
24

-  x3
-  (D) | 12,7 mm | x4
-  (D) | 12,7 mm | x4











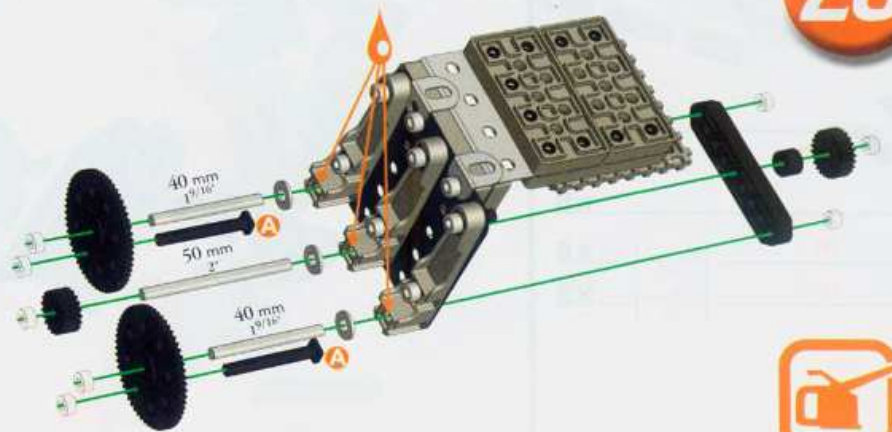
25

-  x1
-  x1
-  x2
-  (C) | 19 mm | x6
-  (C) | 19 mm | x6

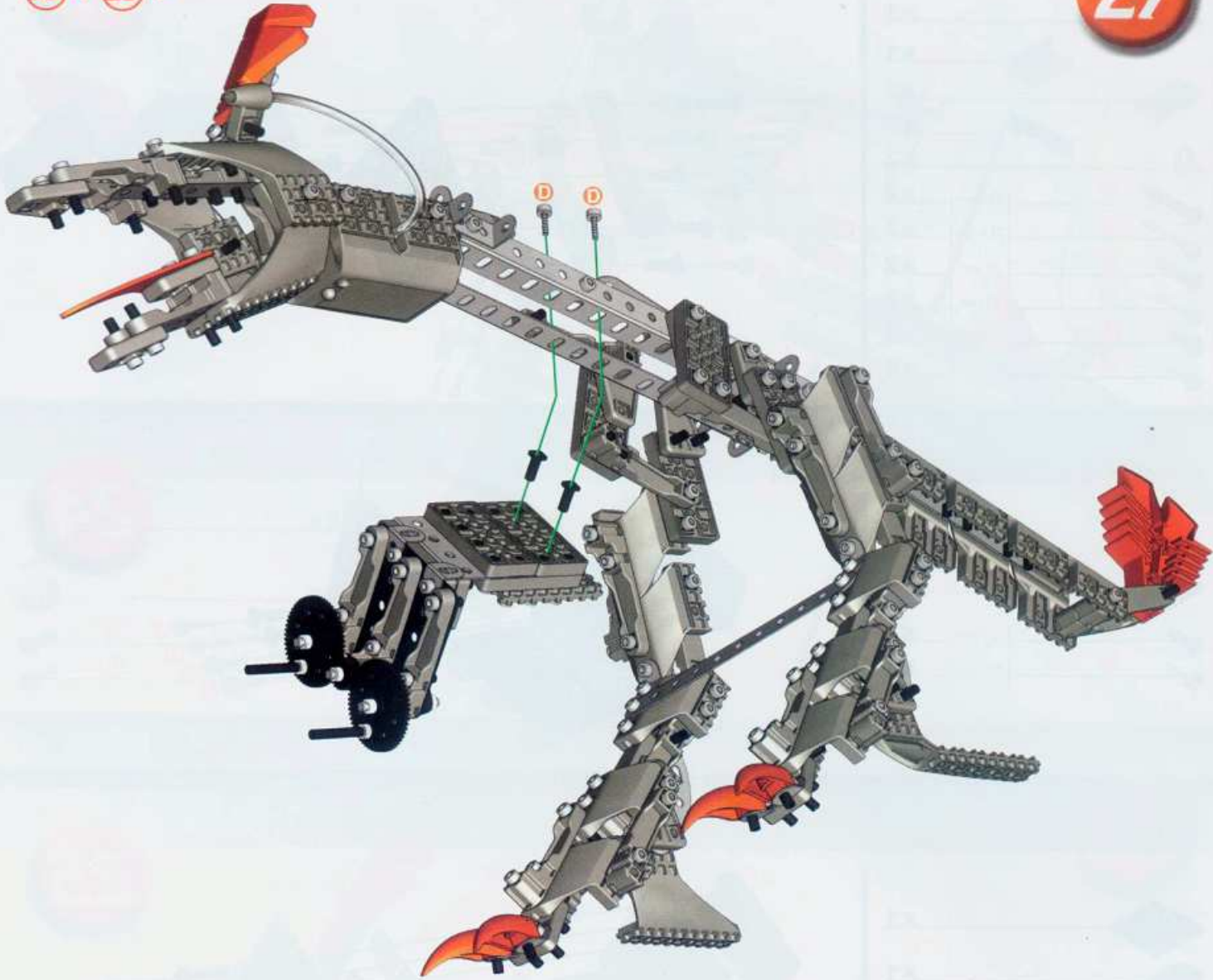




26




-  | 50 mm | x1
-  | 40 mm | x2
-  x1
-  x2
-  x1
-  x1
-  x1
-  (A) | 31,7 mm | x2
-  x3
-  x8







-  **D** | 12,7 mm | **x2**
-  **D** | 12,7 mm | **x2**

-  **x4**
-  **x8**
-  **D** | 12,7 mm | **x8**
-  **D** | 12,7 mm | **x8**

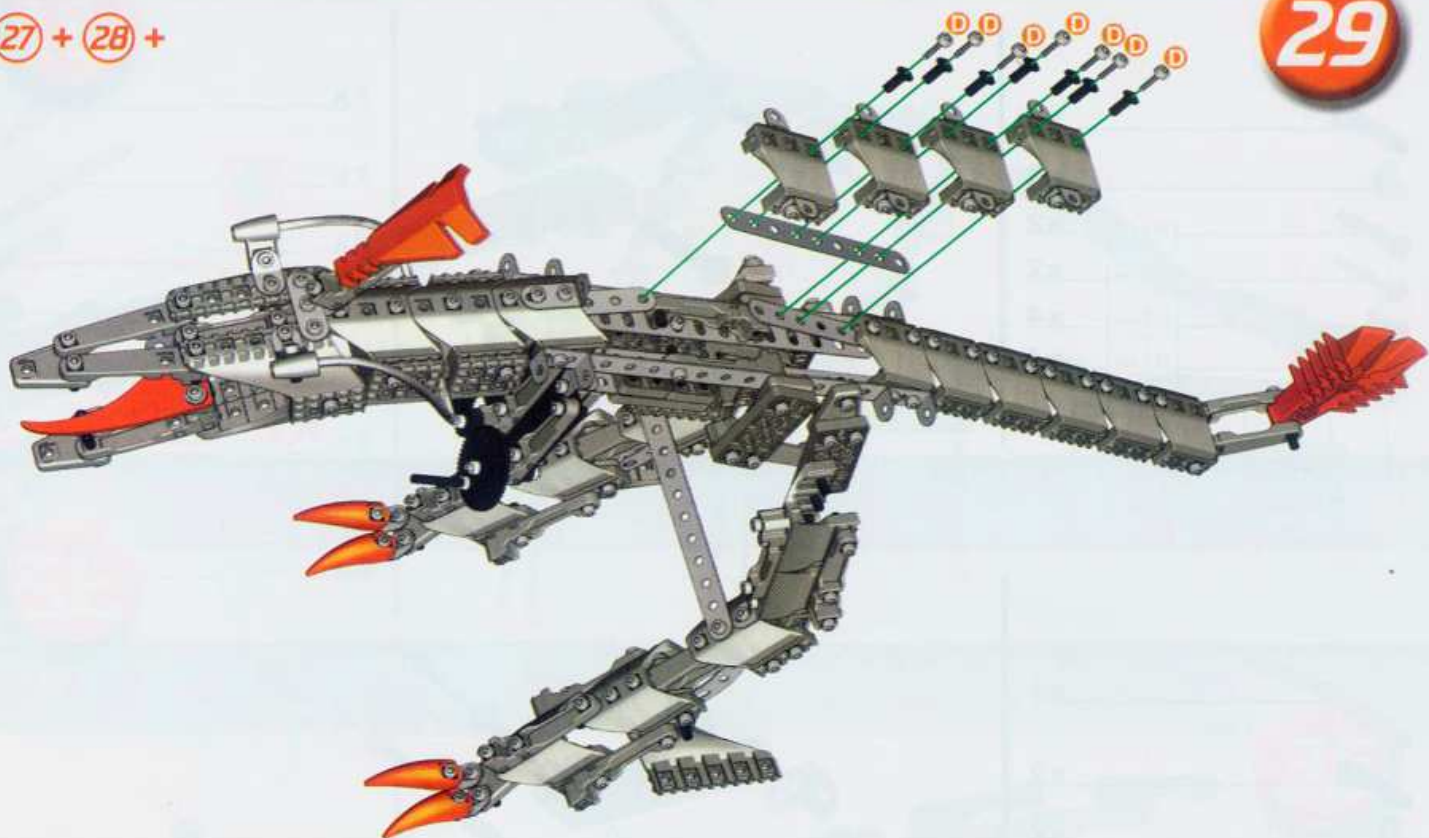


x4



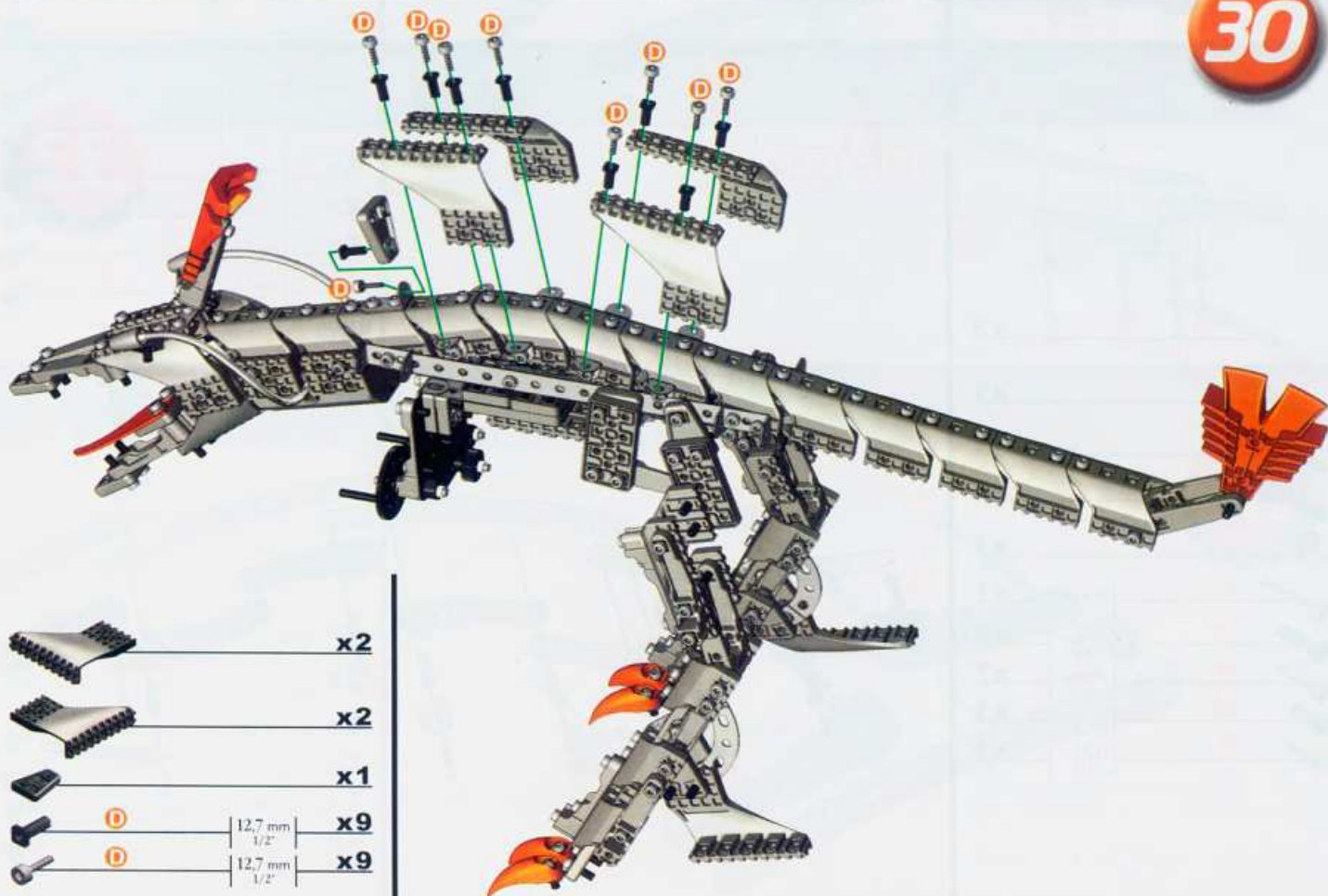
(27) + (28) +






29



-   x1
-  (D) | 12,7 mm | x7
-  (D) | 12,7 mm | x7







30

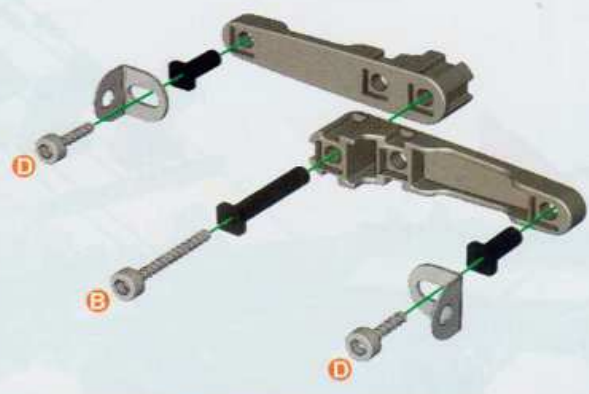


-  x2
-  x2
-  x1
-  (D) | 12,7 mm | x9
-  (D) | 12,7 mm | x9



# 31








-  **x4**
-  **x4**
-  25,4 mm 1" **x2**
-  25,4 mm 1" **x2**
-  12,7 mm 1/2" **x4**
-  12,7 mm 1/2" **x4**

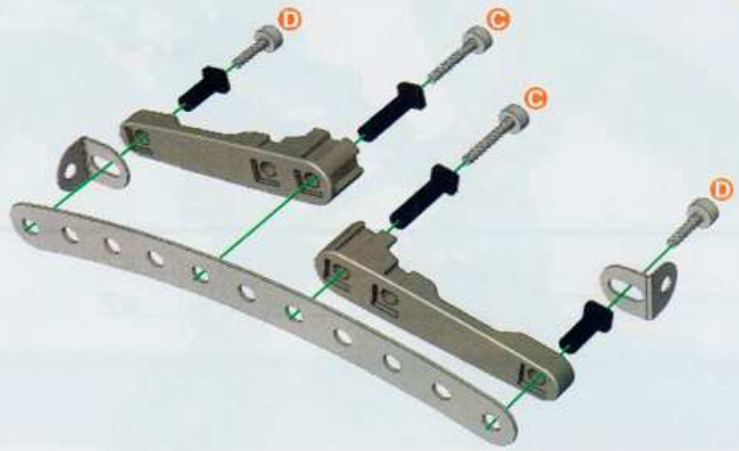


**x2**













# 32

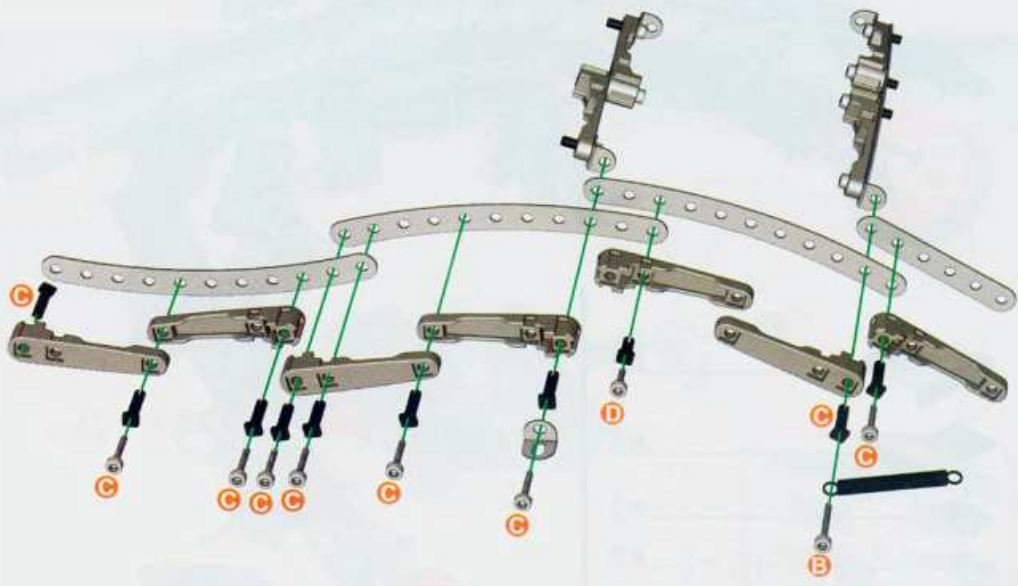
-  **x1**
-  **x2**
-  **x2**
-  19 mm 3/4" **x2**
-  19 mm 3/4" **x2**
-  12,7 mm 1/2" **x2**
-  12,7 mm 1/2" **x2**



# 33

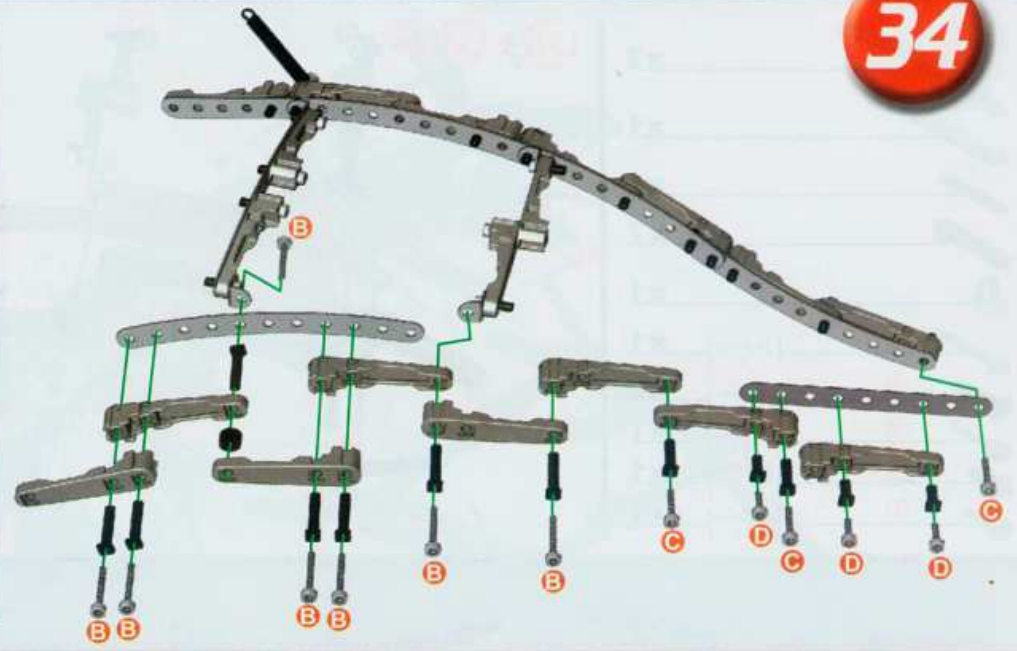
**31 + 32 +**

-  **x3**
-  **x1**
-  **x1**
-  **x7**
-  **x1**
-  25,4 mm 1" **x1**
-  19 mm 3/4" **x9**
-  19 mm 3/4" **x7**
-  12,7 mm 1/2" **x1**
-  12,7 mm 1/2" **x1**





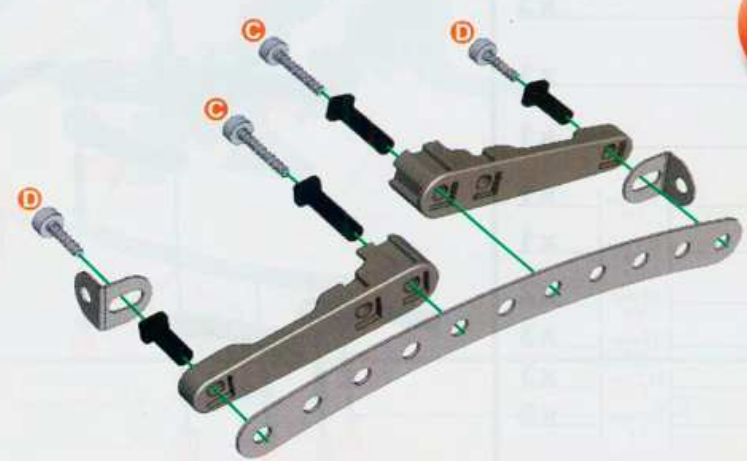
-  x1
-   x1
-  x8
-  x1
-  25,4 mm 1" x7
-  25,4 mm 1" x7
-  19 mm 3/4" x2
-  19 mm 3/4" x3
-  12,7 mm 1/2" x3
-  12,7 mm 1/2" x3



-  x1
-  x3
-  x1
-  x1
-  31,7 mm 1 1/8" x1
-  31,7 mm 1 1/8" x1
-  19 mm 3/4" x2
-  19 mm 3/4" x3
-  12,7 mm 1/2" x3
-  12,7 mm 1/2" x2



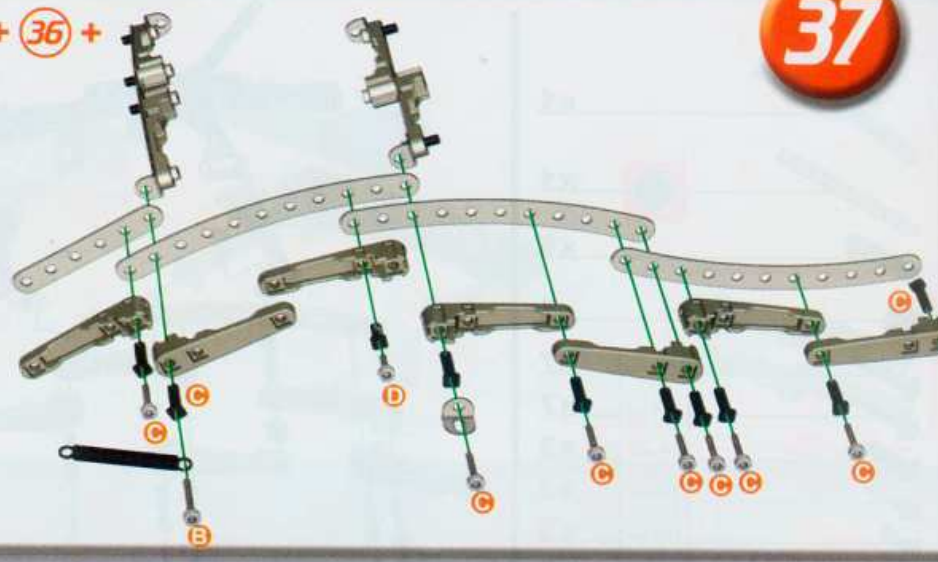
-  x1
-  x2
-  x2
-  19 mm 3/4" x2
-  19 mm 3/4" x2
-  12,7 mm 1/2" x2
-  12,7 mm 1/2" x2



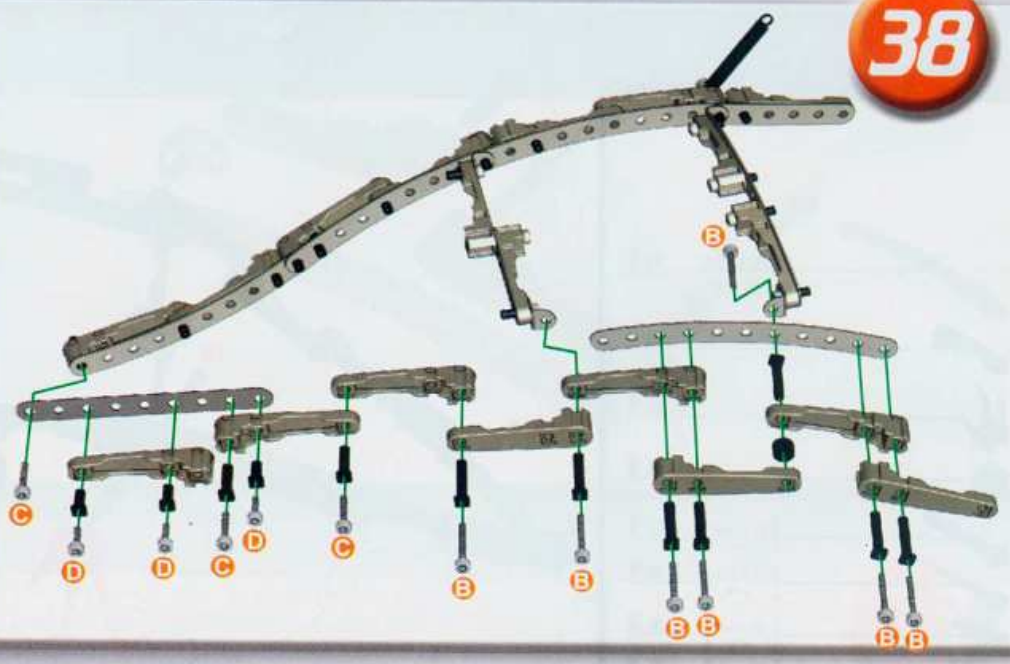


31 + 36 +

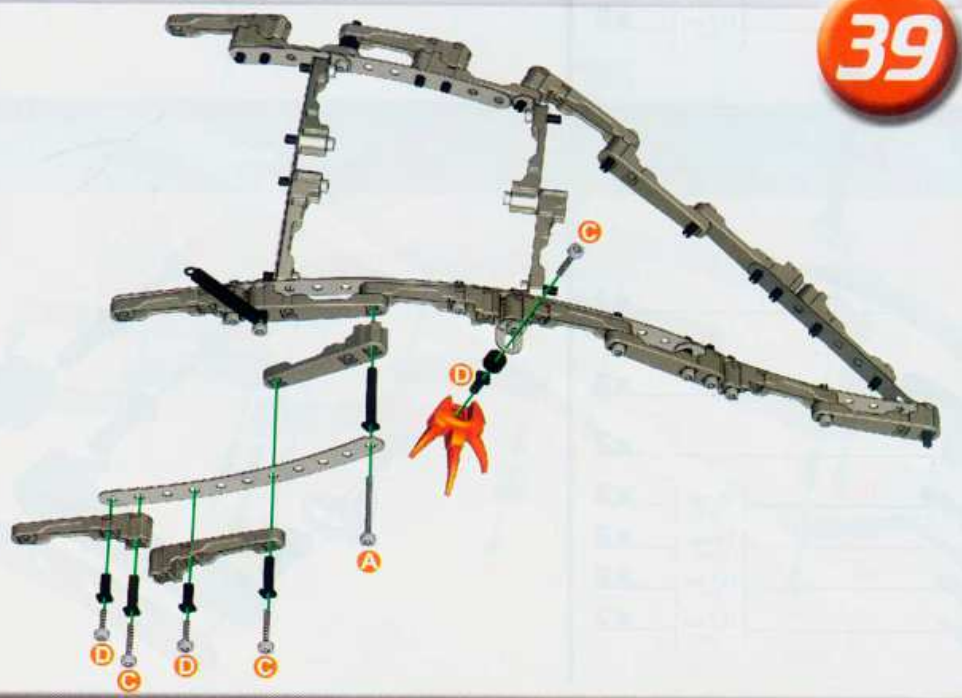
- x3
- x1
- x1
- x7
- x1
- 25,4 mm 1" x1
- 19 mm 3/4" x9
- 19 mm 5/4" x7
- 12,7 mm 1/2" x1
- 12,7 mm 1/2" x1



- x1
- x1
- x8
- x1
- 25,4 mm 1" x7
- 25,4 mm 1" x7
- 19 mm 3/4" x2
- 19 mm 5/4" x3
- 12,7 mm 1/2" x3
- 12,7 mm 1/2" x3



- x1
- x3
- x1
- x1
- 31,7 mm 1 1/8" x1
- 31,7 mm 1 1/8" x1
- 19 mm 3/4" x2
- 19 mm 3/4" x3
- 12,7 mm 1/2" x3
- 12,7 mm 1/2" x2









30 + 35 +

40






	<b>A</b>	31,7 mm 1 3/8"	<b>x2</b>		<b>B</b>	12,7 mm 1/2"	<b>x1</b>		<b>x3</b>
					<b>B</b>	12,7 mm 1/2"	<b>x1</b>		

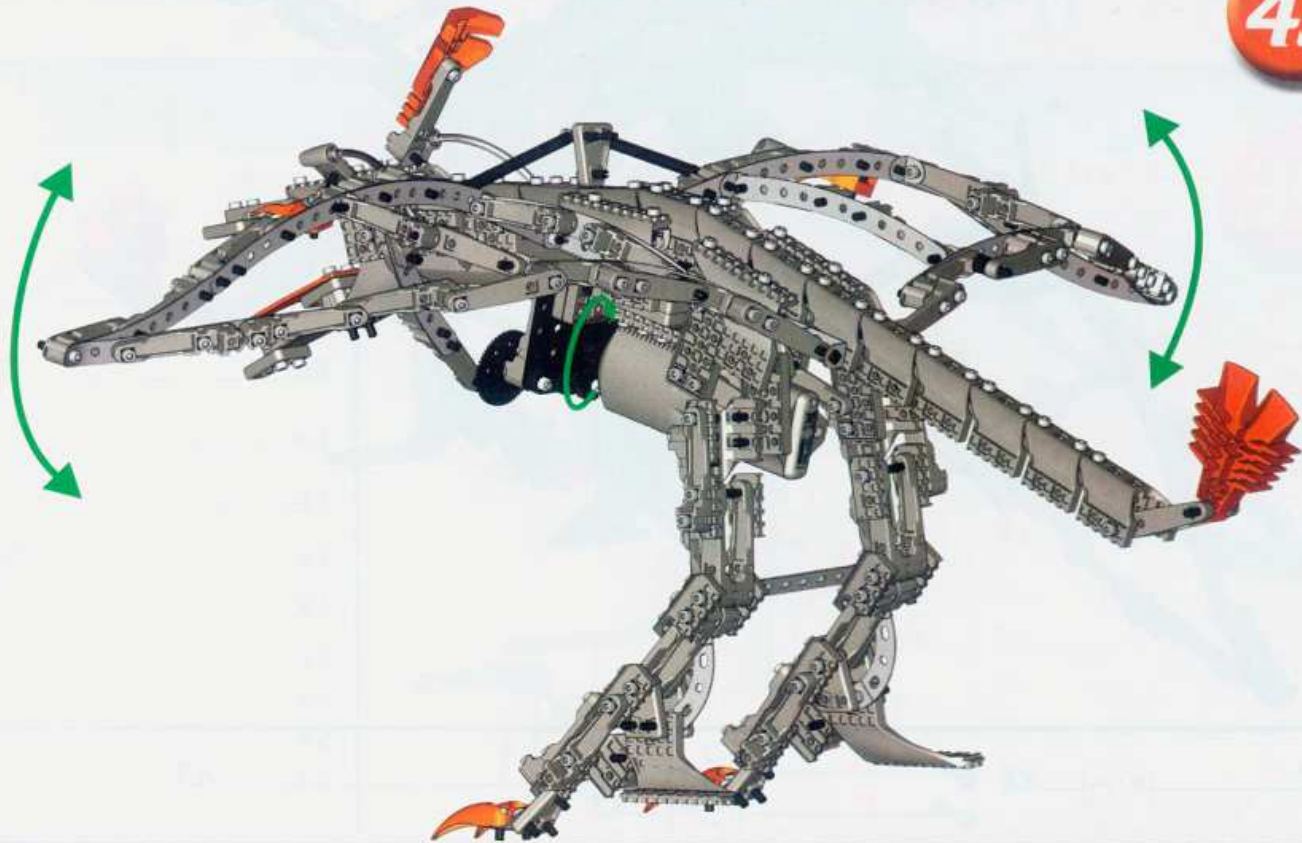
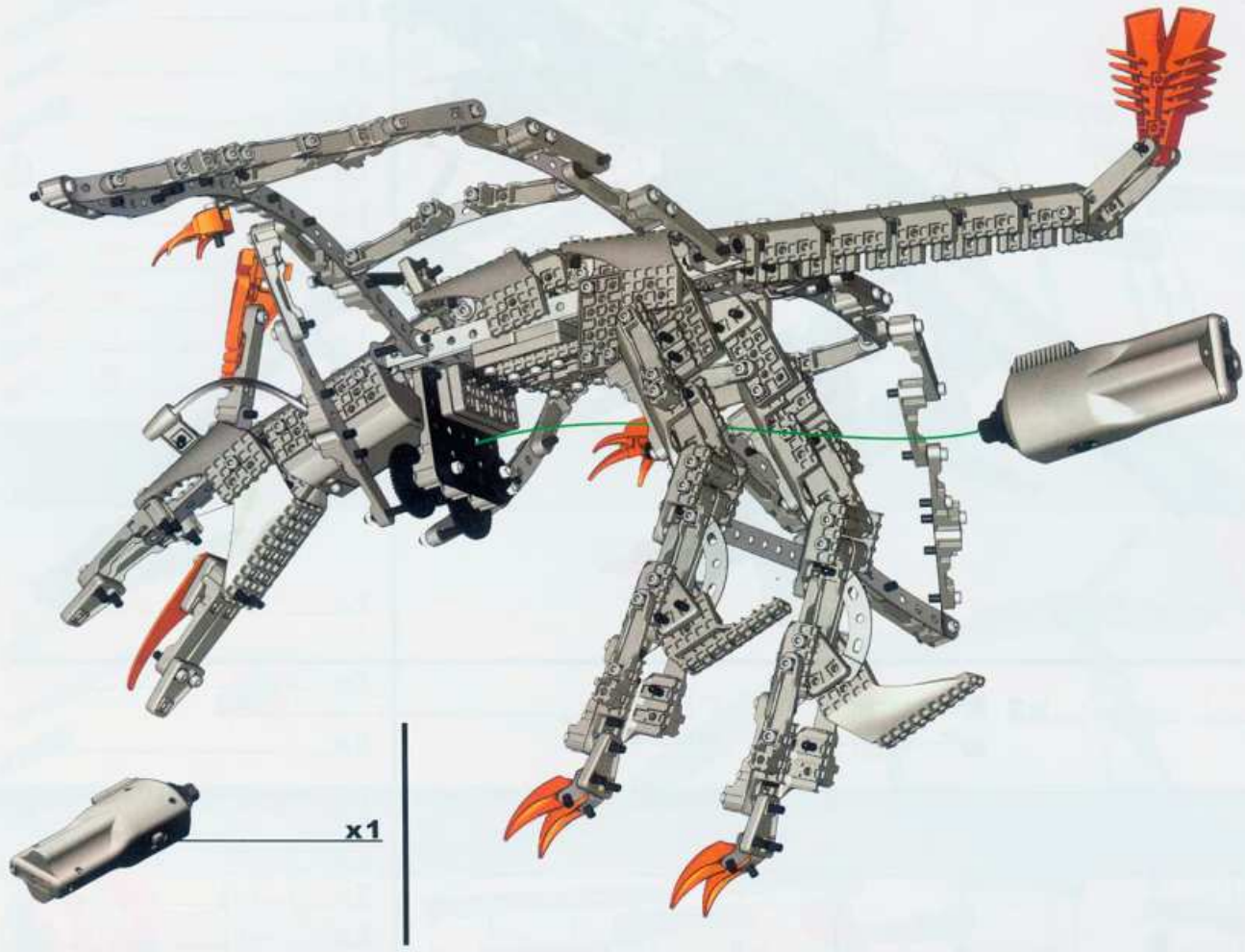
39 + 40 +

41

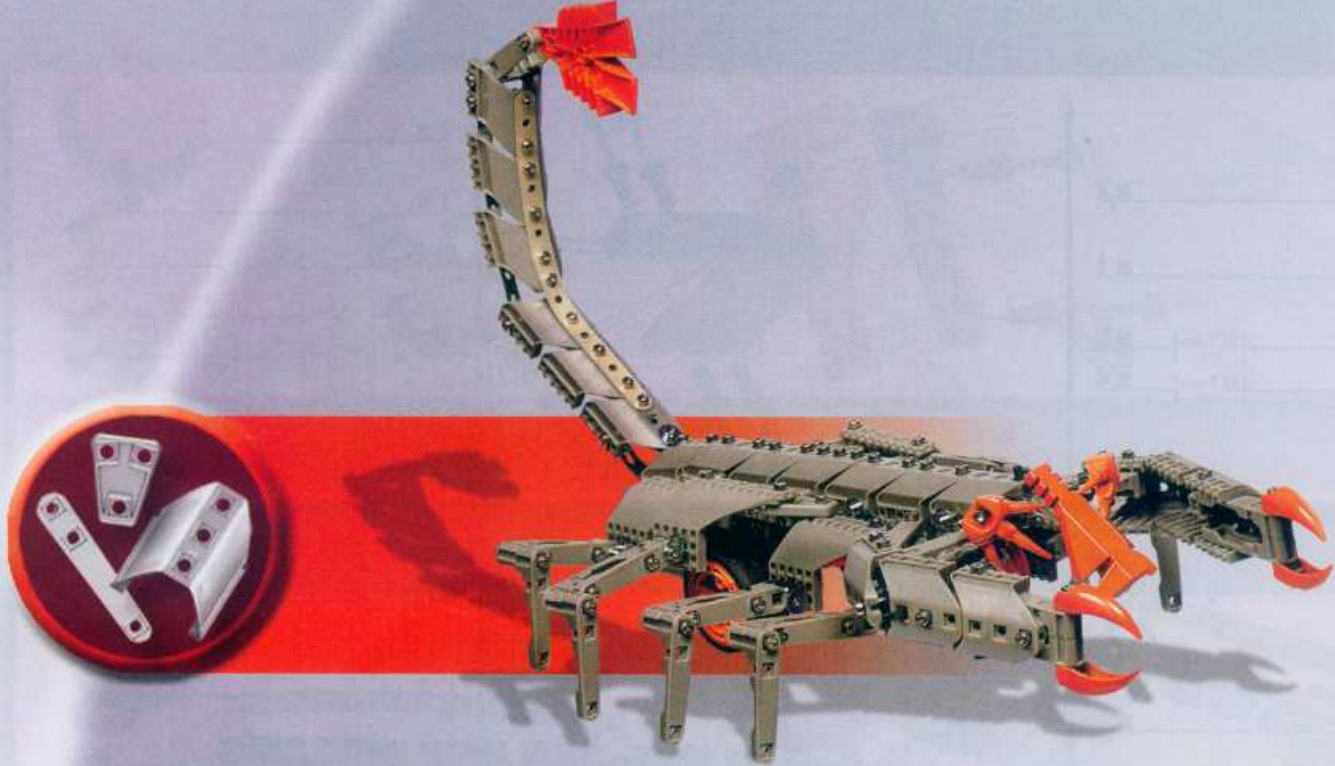


	<b>A</b>	31,7 mm 1 3/8"	<b>x2</b>		<b>B</b>	12,7 mm 1/2"	<b>x1</b>		<b>x3</b>
					<b>B</b>	12,7 mm 1/2"	<b>x1</b>		










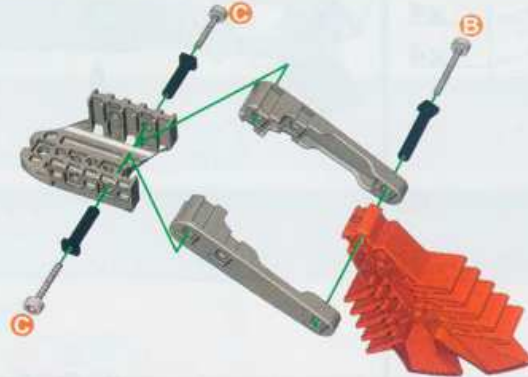











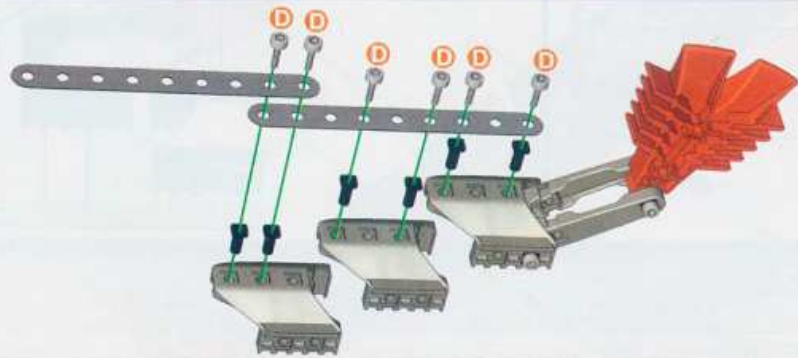
**1**






-  **x1**
-  **x1**
-  **x2**
-  **x1** | 25,4 mm | 1"
-  **x1** | 25,4 mm | 1"
-  **x2** | 19 mm | 3/4"
-  **x2** | 19 mm | 3/4"



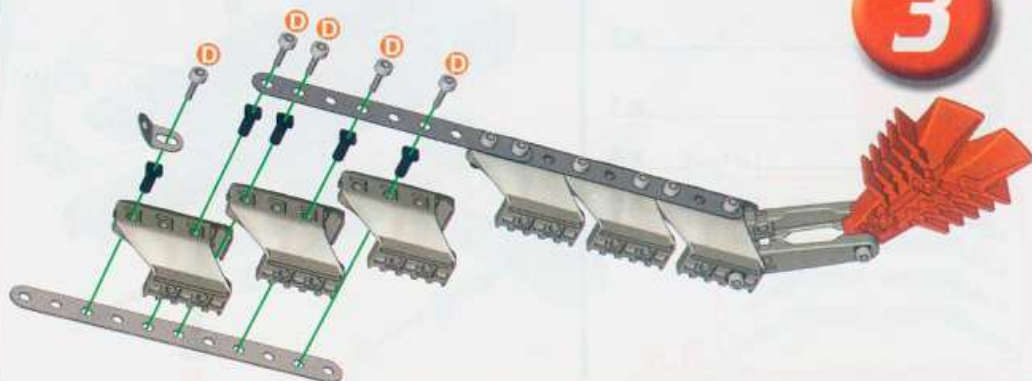
-   **x2**
-  **x2**
-  **x6** | 12,7 mm | 1/2"
-  **x6** | 12,7 mm | 1/2"

**2**




-  **x1**
-  **x3**
-  **x1**
-  **x5** | 12,7 mm | 1/2"
-  **x5** | 12,7 mm | 1/2"

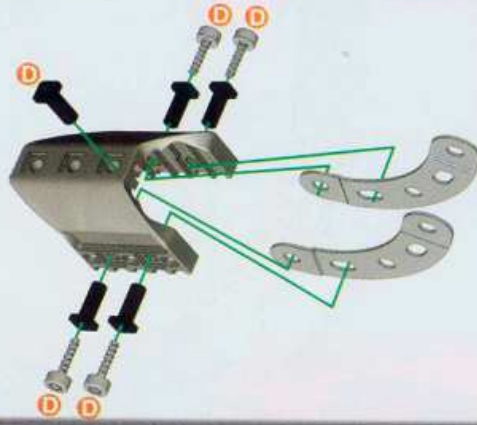
**3**








4

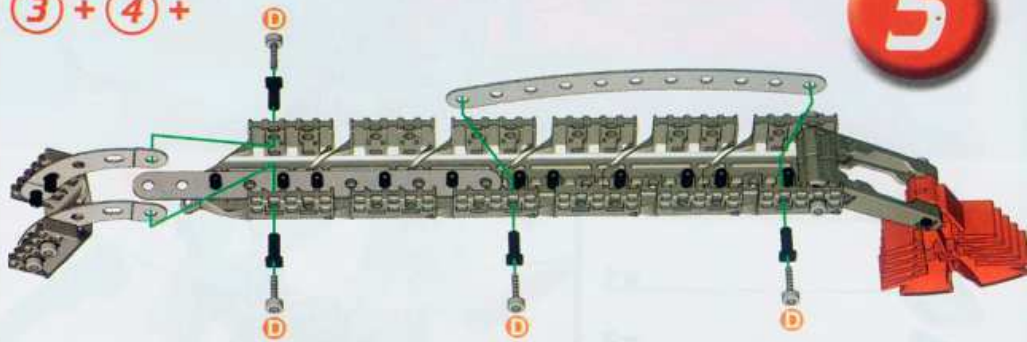
-  x2
-  x1
-  (D) | 12,7 mm | x5
-  (D) | 12,7 mm | x4







5

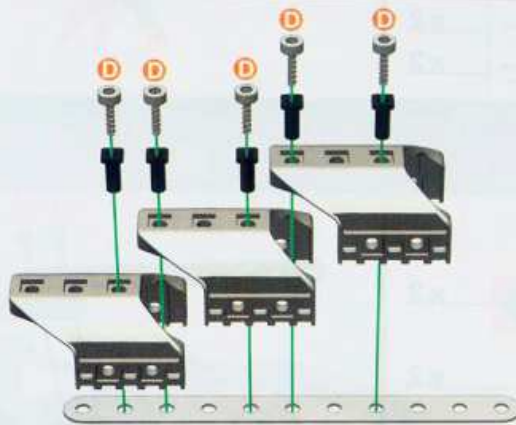
-  x1
-  (D) | 12,7 mm | x4
-  (D) | 12,7 mm | x4

(3) + (4) +



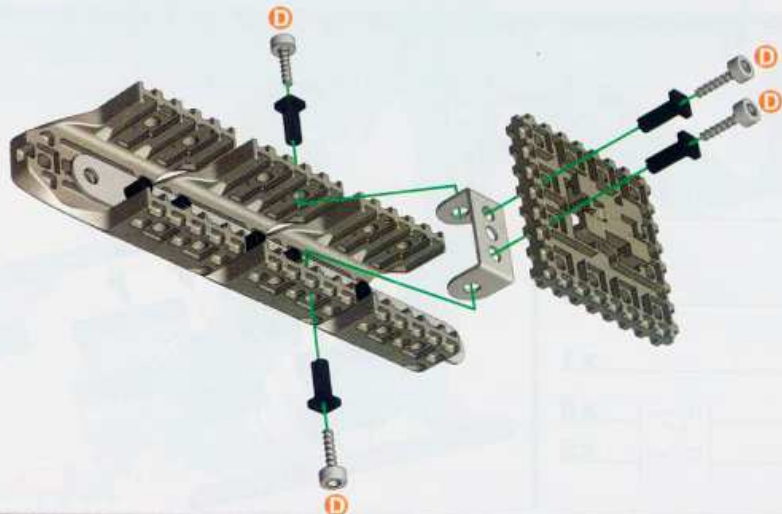
6

-  x1
-  x3
-  (D) | 12,7 mm | x5
-  (D) | 12,7 mm | x5



7

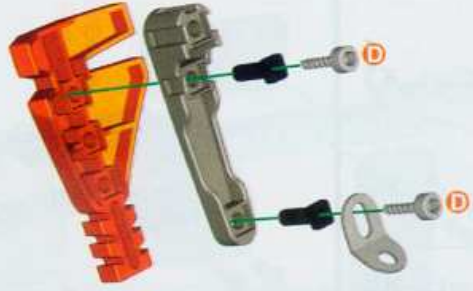
-  x1
-  x1
-  (D) | 12,7 mm | x4
-  (D) | 12,7 mm | x4









8

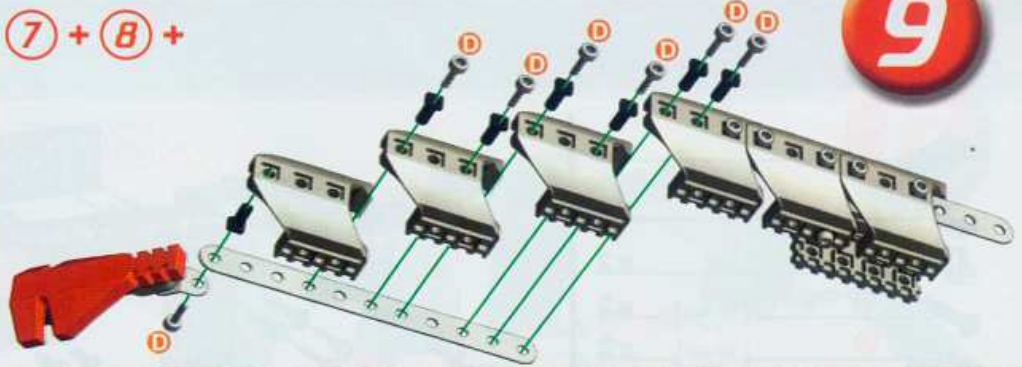
-  x1
-  x1
-  x1
-  (D) | 12,7 mm | x2
-  (D) | 12,7 mm | x2



9

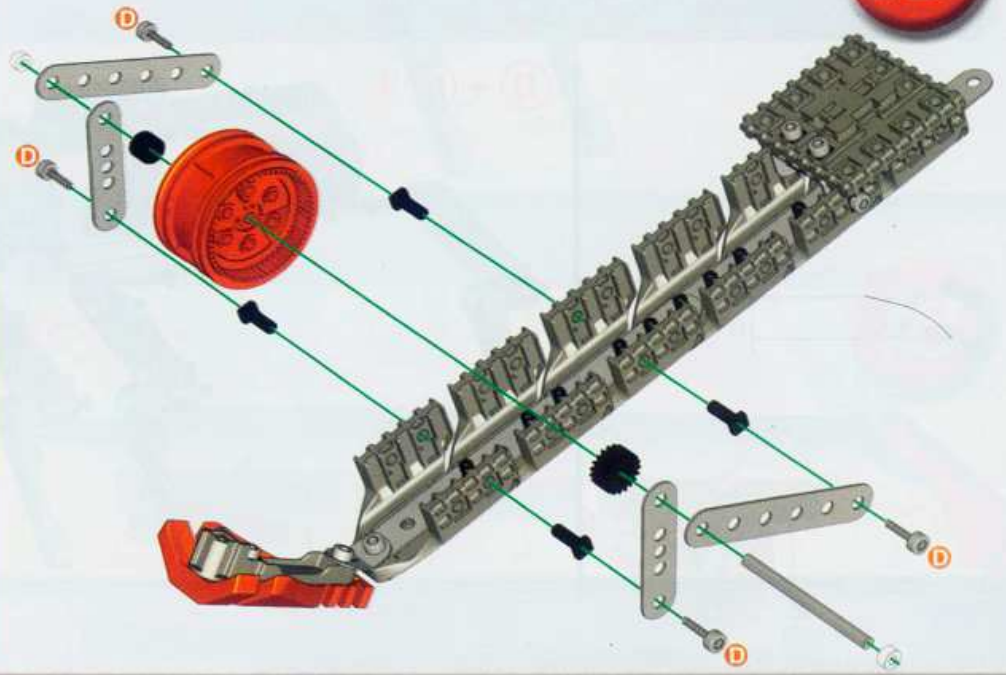
(7) + (8) +

-  x1
-  x3
-  (D) | 12,7 mm | x7
-  (D) | 12,7 mm | x7



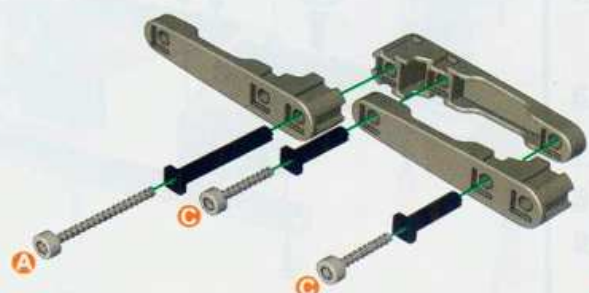
10

-  x2
-  x2
-  | 50 mm | x1
-  x1
-  x1
-  x1
-  x2
-  (D) | 12,7 mm | x4
-  (D) | 12,7 mm | x4



11






-  x24
-  (A) | 31,7 mm | x8
-  (A) | 31,7 mm | x8
-  (C) | 19 mm | x16
-  (C) | 19 mm | x16

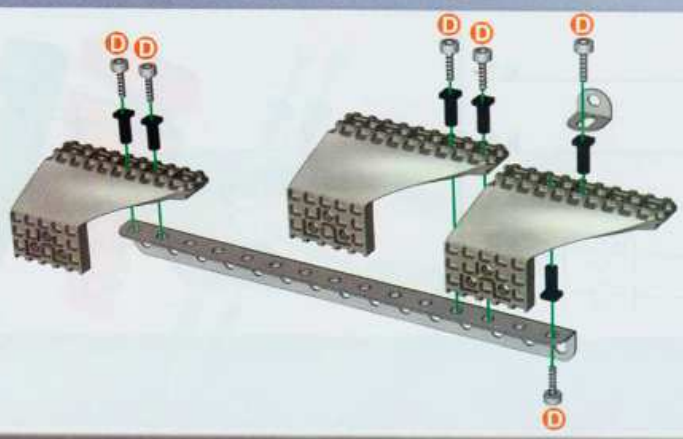


x8









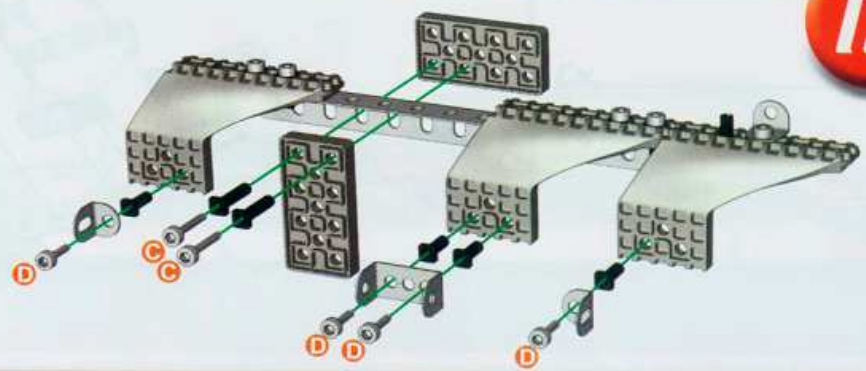
12

-  x1
-  x3
-  x1
-  x6
-  x6





13

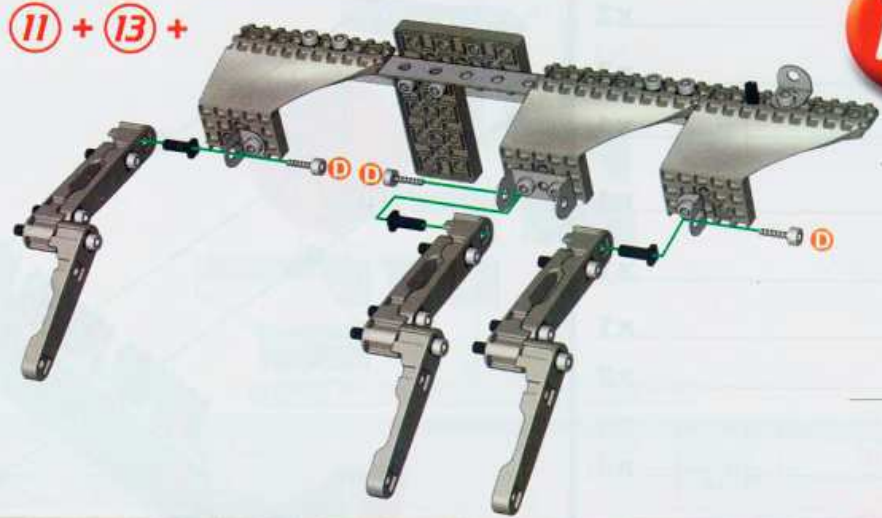
-  x2
-  x1
-  x2
-  x2
-  x2
-  x4
-  x4








14

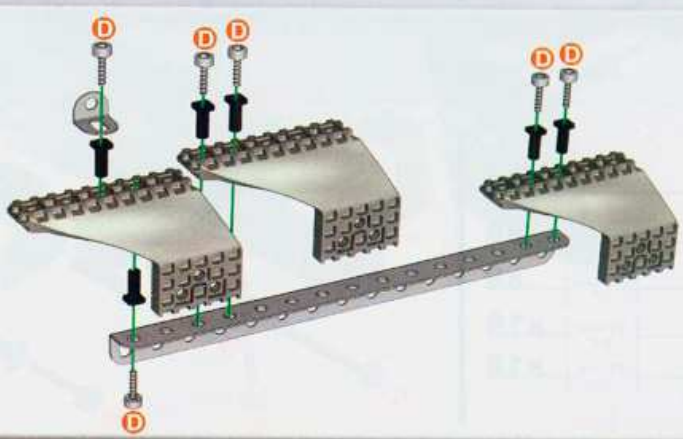
-  x3
-  x3

(11) + (13) +










15

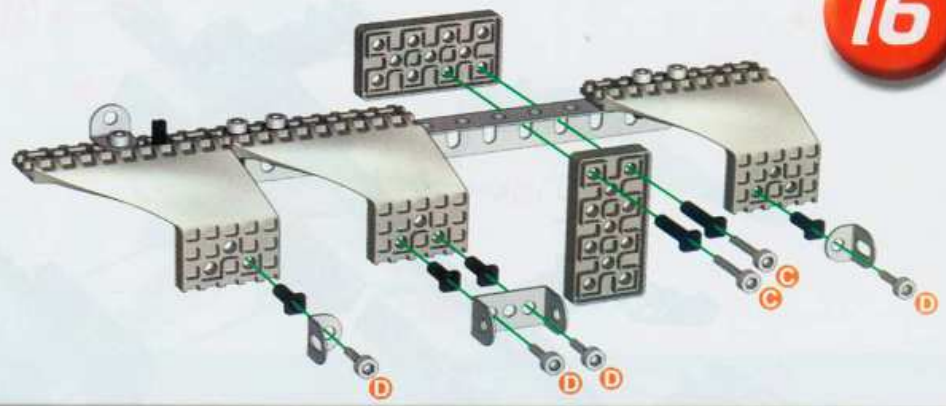
-  x1
-  x3
-  x1
-  x6
-  x6







16

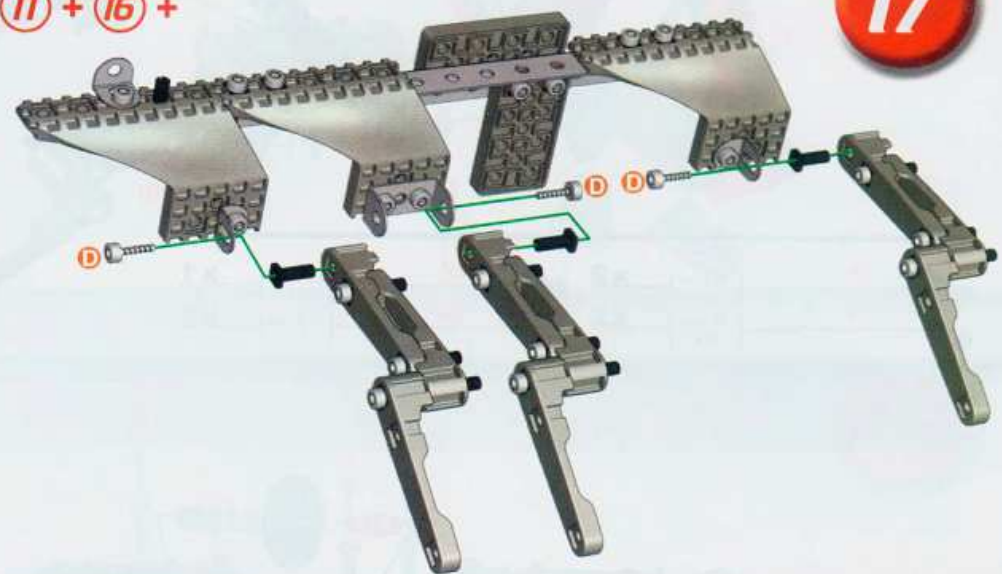
-  x2
-  x1
-  x2
-  (C) | 19 mm | x2
-  (C) | 19 mm | x2
-  (D) | 12,7 mm | x4
-  (D) | 12,7 mm | x4



17




(11) + (16) +

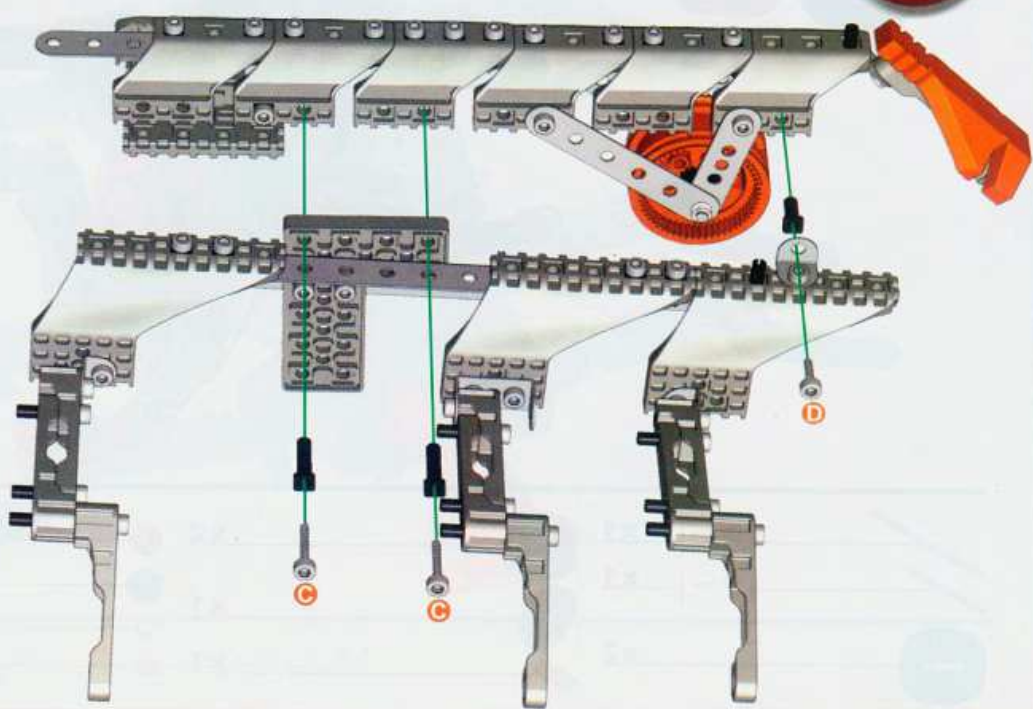
-  (D) | 12,7 mm | x3
-  (D) | 12,7 mm | x3



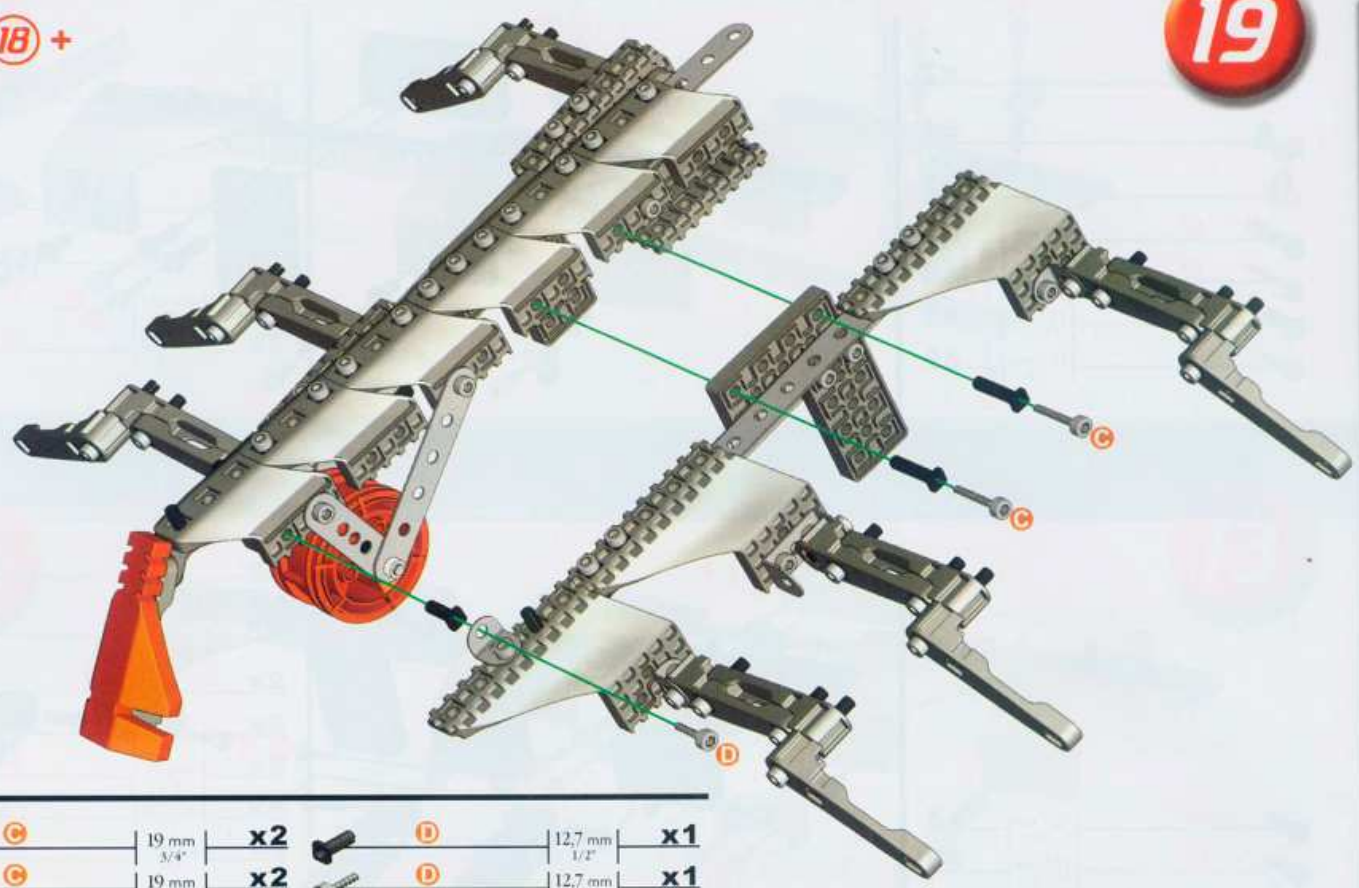
18

(10) + (14) +

-  (C) | 19 mm | x2
-  (C) | 19 mm | x2
-  (D) | 12,7 mm | x1
-  (D) | 12,7 mm | x1







	19 mm	x2		12,7 mm	x1
	19 mm	x2		12,7 mm	x1

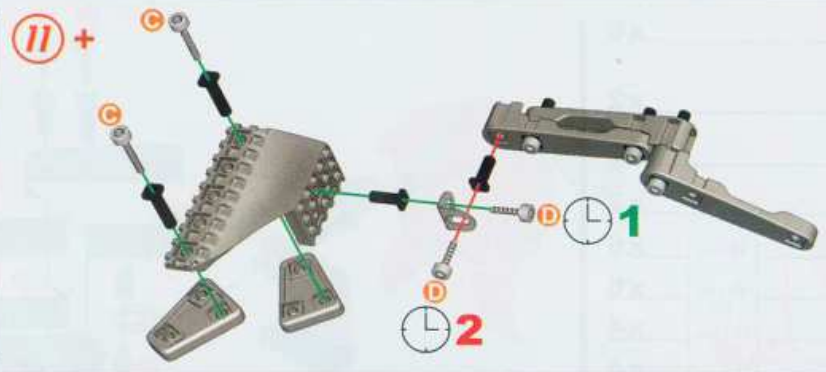








	90 mm	x1		x2		x2
	50 mm	x1		x1		x3
		x2		x1		x3
				x1		x1

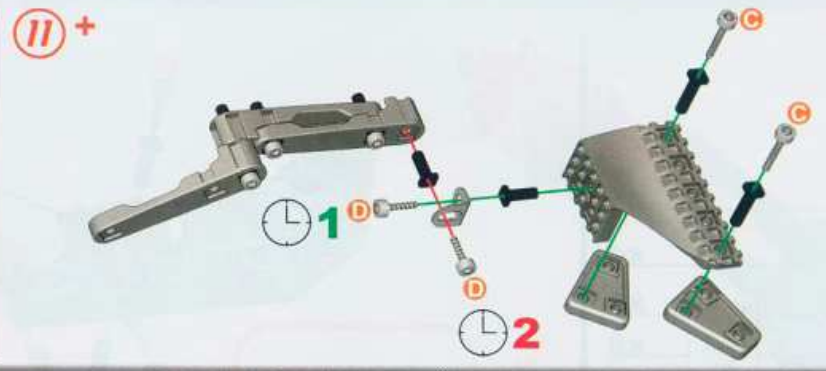




-  x1
-  x2
-  x1
-  (C) | 19 mm | x2
-  (C) | 19 mm | x2
-  (D) | 12,7 mm | x2
-  (D) | 12,7 mm | x2



-  x1
-  x2
-  x1
-  (C) | 19 mm | x2
-  (C) | 19 mm | x2
-  (D) | 12,7 mm | x2
-  (D) | 12,7 mm | x2



(20) + (21) + (22) +

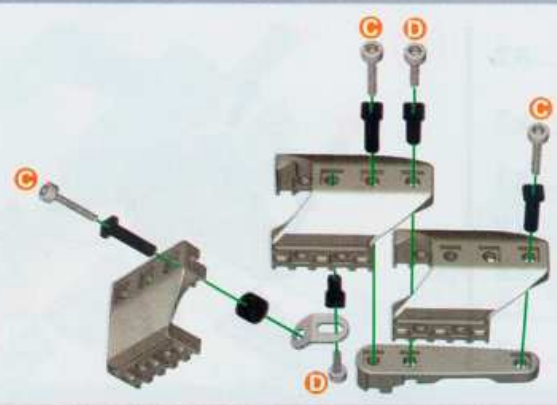


-  (C) | 19 mm | x4
-  (C) | 19 mm | x4







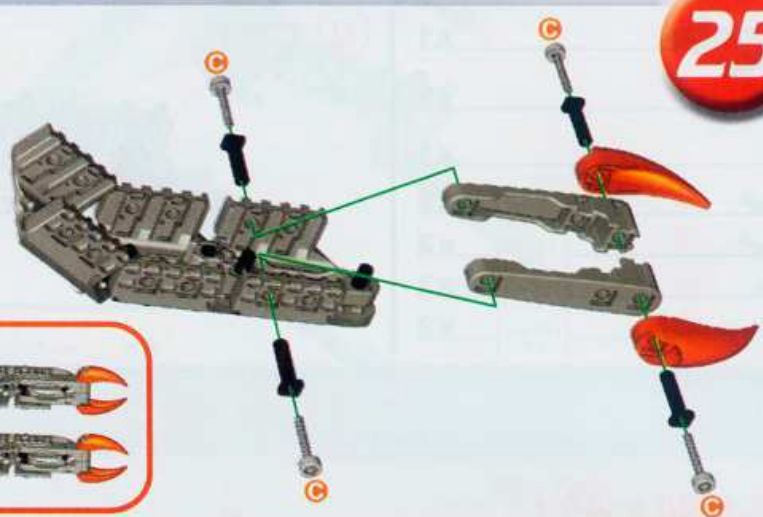
# 24

-  **x6**
-  **x2**
-  **x2**
-  **x2**
-  **x6**
-  **x6**
-  **x4**
-  **x4**






# 25

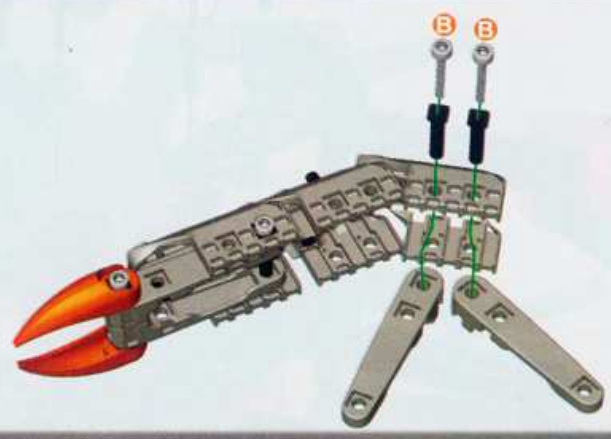
-  **x4**
-  **x4**
-  **x8**
-  **x8**



# 26




(25) +

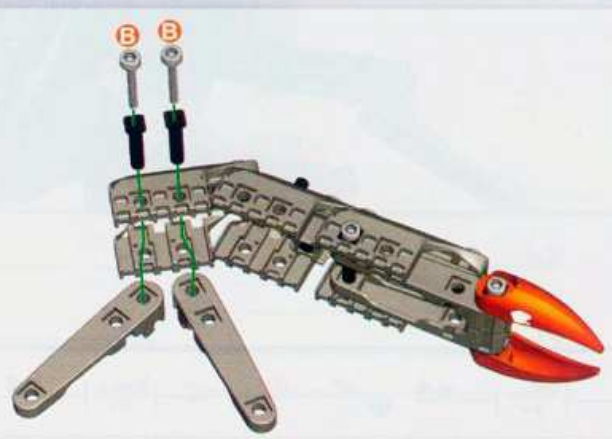
-  **x2**
-  **x2**
-  **x2**



# 27

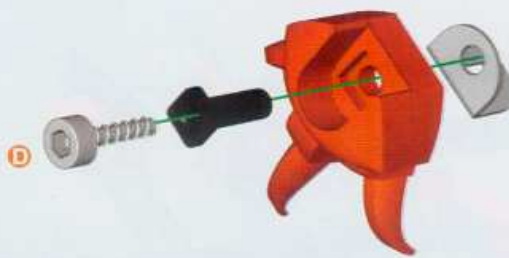
(25) +

-  **x2**
-  **x2**
-  **x2**



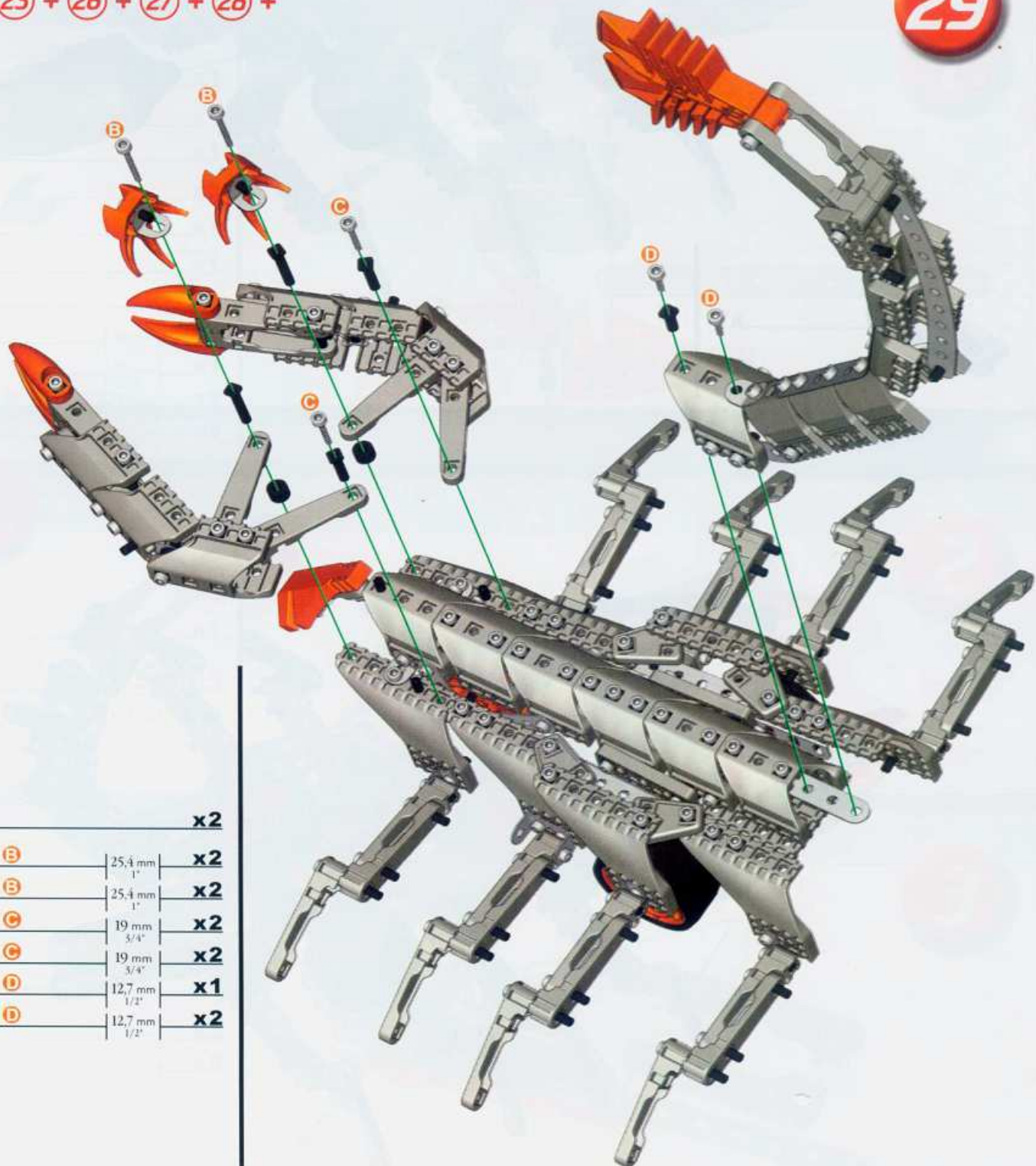


			<b>x2</b>
			<b>x2</b>
	<b>B</b>	12,7 mm 1/2"	<b>x2</b>
	<b>D</b>	12,7 mm 1/2"	<b>x2</b>



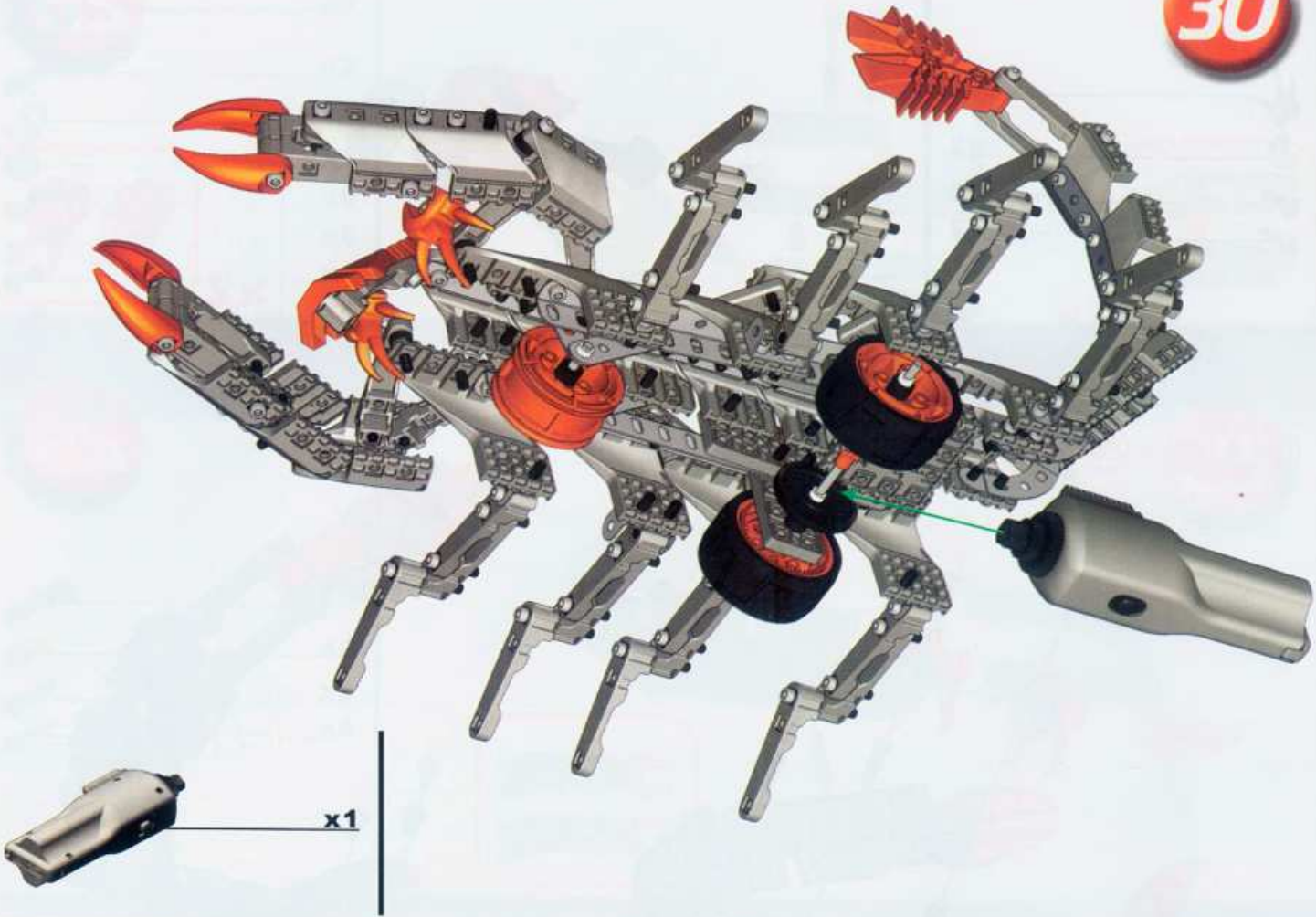
x2

5 + 23 + 26 + 27 + 28 +



			<b>x2</b>
	<b>B</b>	25,4 mm 1"	<b>x2</b>
	<b>B</b>	25,4 mm 1"	<b>x2</b>
	<b>C</b>	19 mm 3/4"	<b>x2</b>
	<b>C</b>	19 mm 3/4"	<b>x2</b>
	<b>D</b>	12,7 mm 1/2"	<b>x1</b>
	<b>D</b>	12,7 mm 1/2"	<b>x2</b>













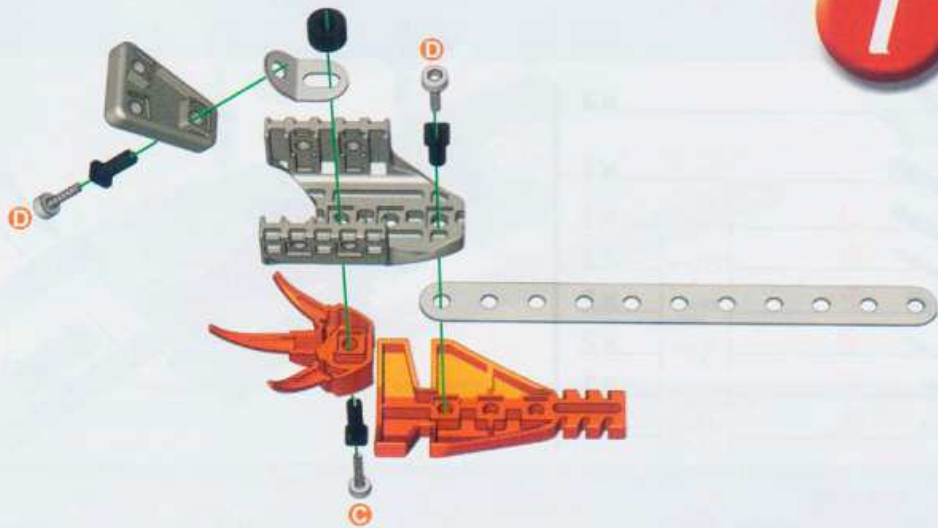




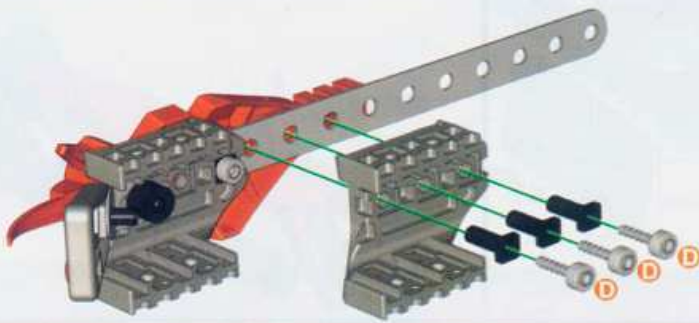


**1**


-  **x1**
-  **x1**
-  **x1**
-  **x1**
-  **x1**
-  **x1**
-  **x1**
-  **x1**
-  (C) **x1**
-  (C) **x1**
-  (B) **x2**
-  (B) **x2**

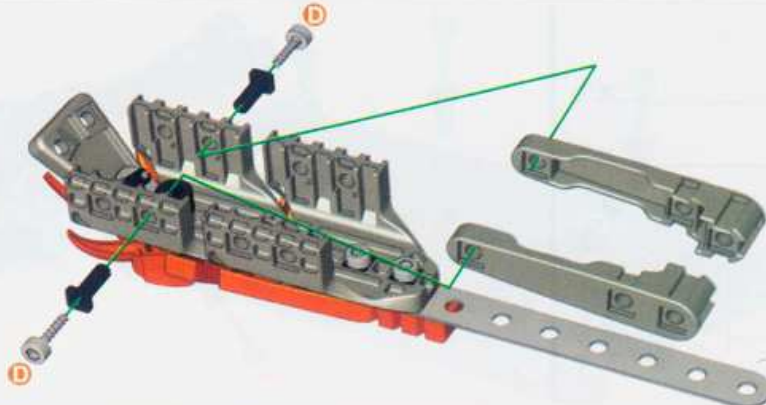


-  **x1**
-  (B) **x3**
-  (B) **x3**



**2**





-  **x2**
-  (B) **x2**
-  (B) **x2**

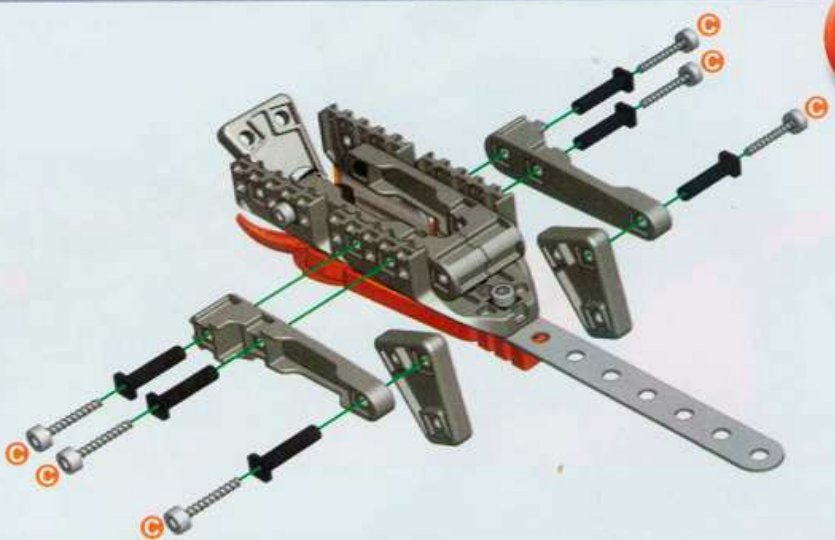


**3**



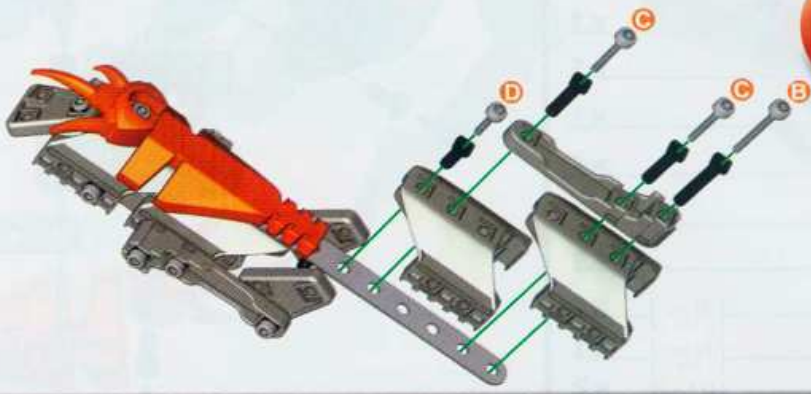
4

-  x2
-  x2
-  19 mm 3/4" x6
-  19 mm 3/4" x6






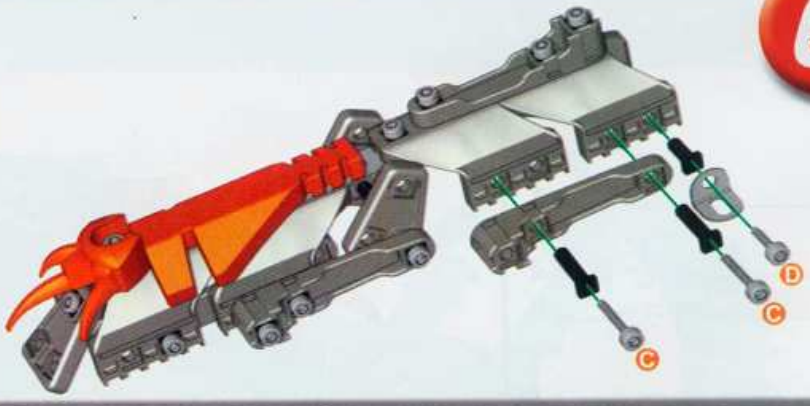
5

-  x2
-  x1
-  25,4 mm 1" x1
-  25,4 mm 1" x1
-  19 mm 3/4" x2
-  19 mm 3/4" x2
-  12,7 mm 1/2" x1
-  12,7 mm 1/2" x1









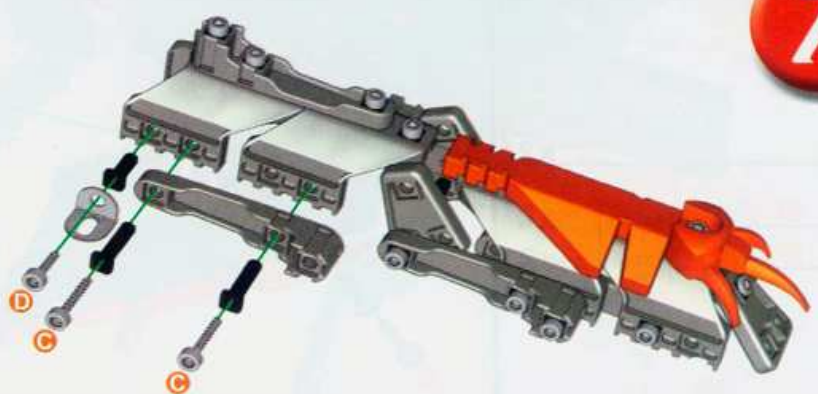
6

-  x1
-  x1
-  19 mm 3/4" x2
-  19 mm 3/4" x2
-  12,7 mm 1/2" x1
-  12,7 mm 1/2" x1







7

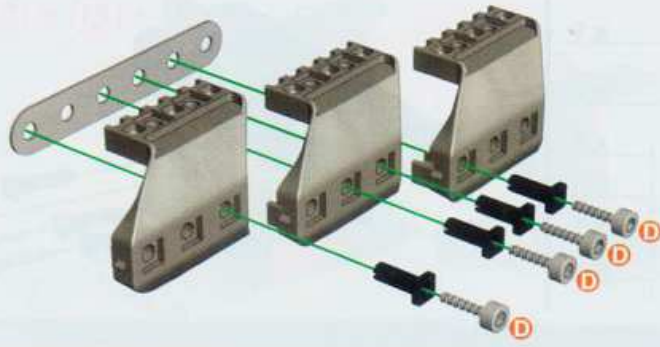
-  x1
-  x1
-  19 mm 3/4" x2
-  19 mm 3/4" x2
-  12,7 mm 1/2" x1
-  12,7 mm 1/2" x1








8

-  x2
-  x6
-  12,7 mm 1/2" x8
-  12,7 mm 1/2" x8

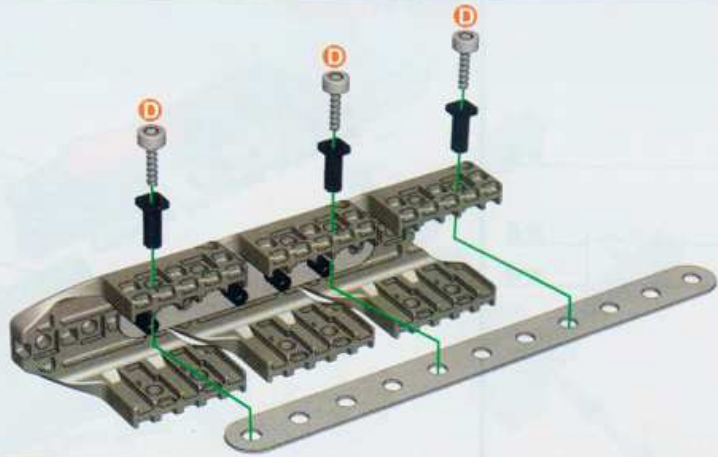


x2







9

-  x1
-  12,7 mm 1/2" x3
-  12,7 mm 1/2" x3

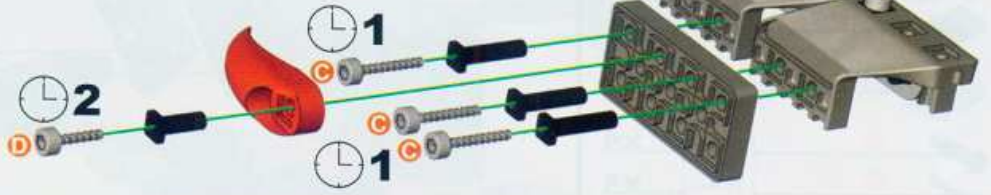
8 +






10

-  x1
-  x1
-  19 mm 3/4" x3
-  19 mm 3/4" x3
-  12,7 mm 1/2" x1
-  12,7 mm 1/2" x1

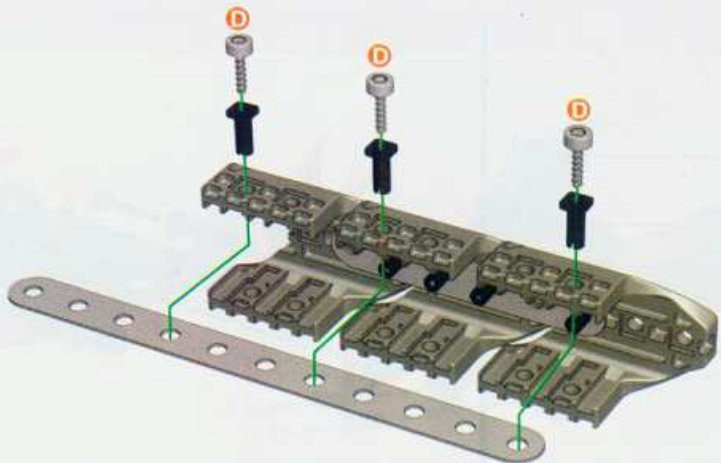
2



11







-  x1
-  12,7 mm 1/2" x3
-  12,7 mm 1/2" x3

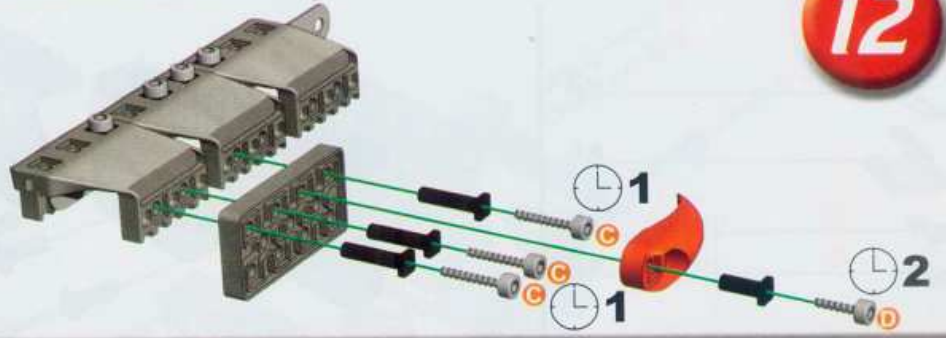
8 +








# 12

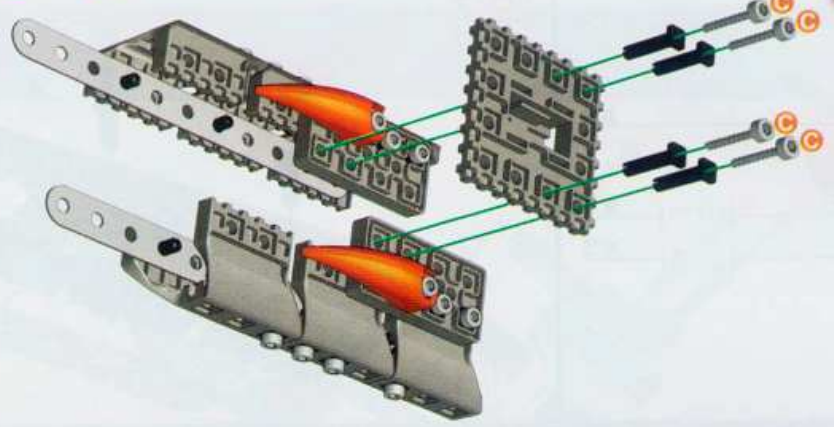
-  **x1**
-  **x1**
-  **x3**
-  **x3**
-  **x1**
-  **x1**



# 13

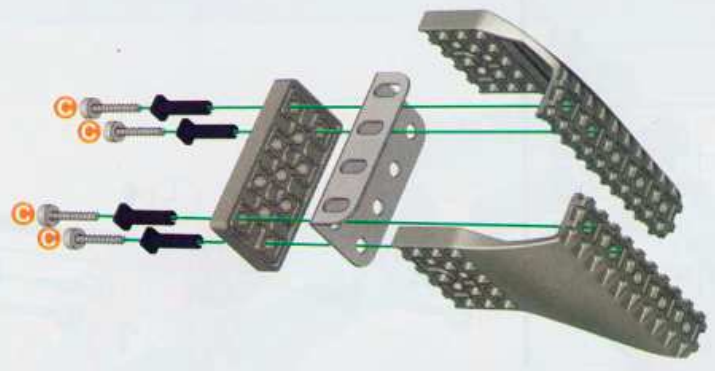
10 + 12 +

-  **x1**
-  **x4**
-  **x4**








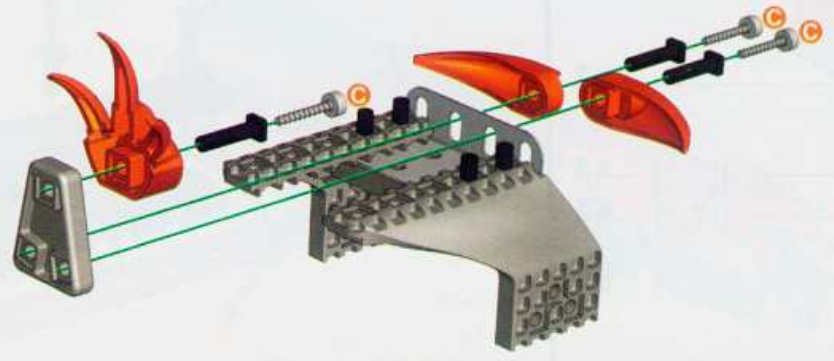
# 14

-  **x1**
-  **x1**
-  **x1**
-  **x1**
-  **x4**
-  **x4**



# 15




-  **x1**
-  **x2**
-  **x1**
-  **x3**
-  **x3**

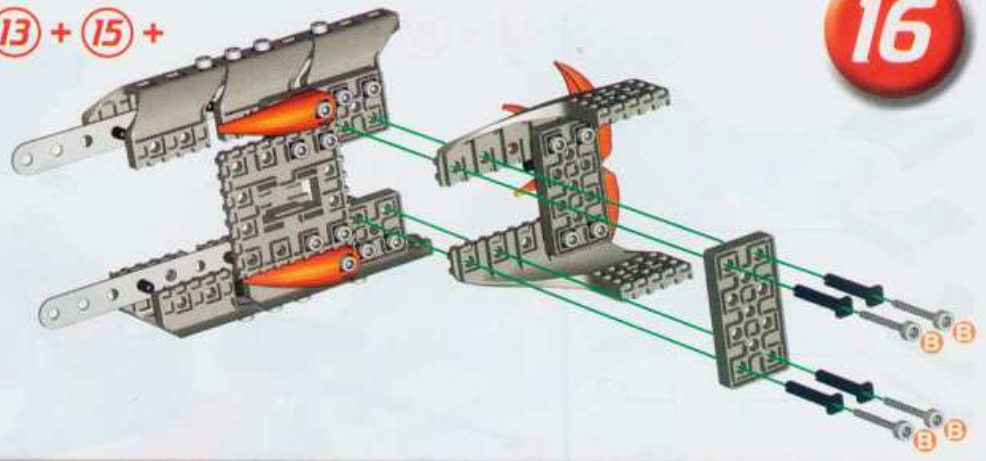










# 16

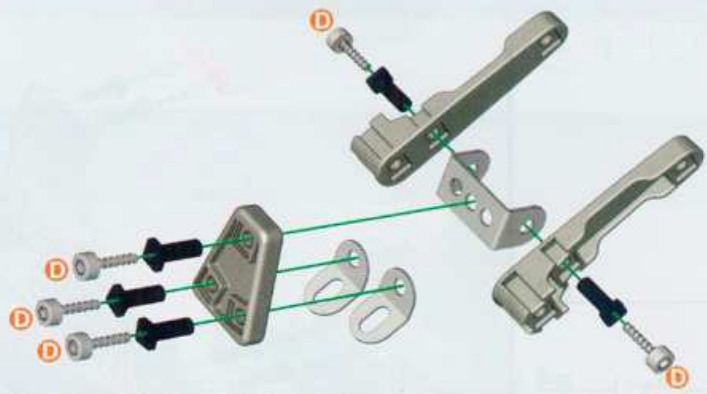
13 + 15 +

-  x1
-  (B) | 25,4 mm | x4
-  (B) | 25,4 mm | x4






# 17

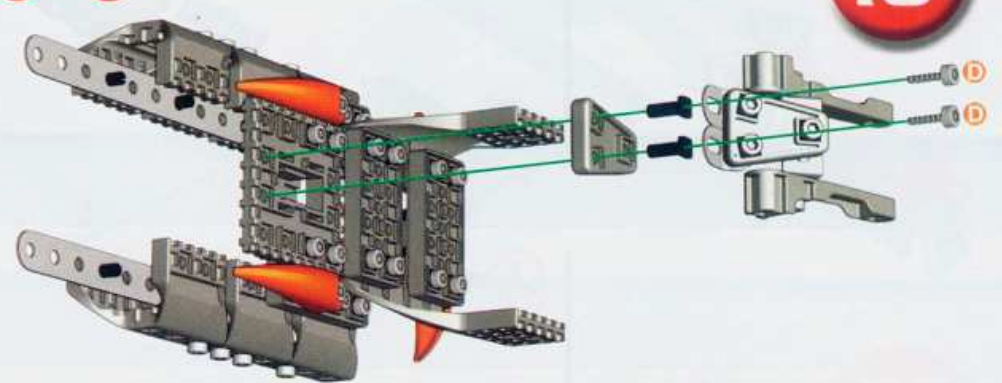
-  x2
-  x1
-  x1
-  x2
-  (D) | 12,7 mm | x5
-  (D) | 12,7 mm | x5











# 18

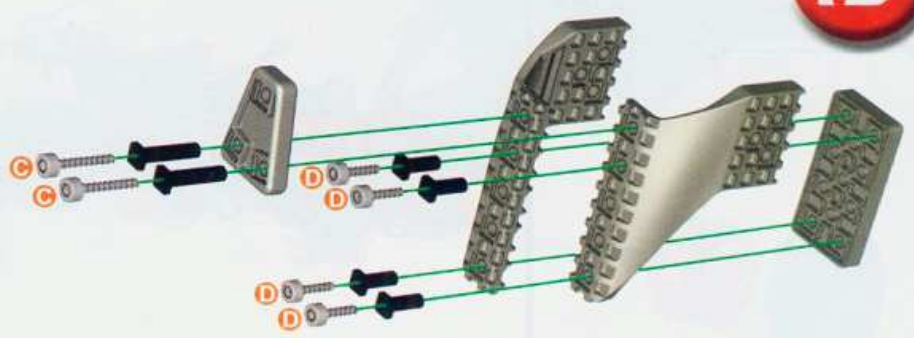
16 + 17 +

-  x1
-  (D) | 12,7 mm | x2
-  (D) | 12,7 mm | x2








# 19

-  x1
-  x1
-  x1
-  x1
-  (C) | 19 mm | x2
-  (C) | 19 mm | x2
-  (D) | 12,7 mm | x4
-  (D) | 12,7 mm | x4





-  x1
-  x1
-  x2
-  x2
-  x2

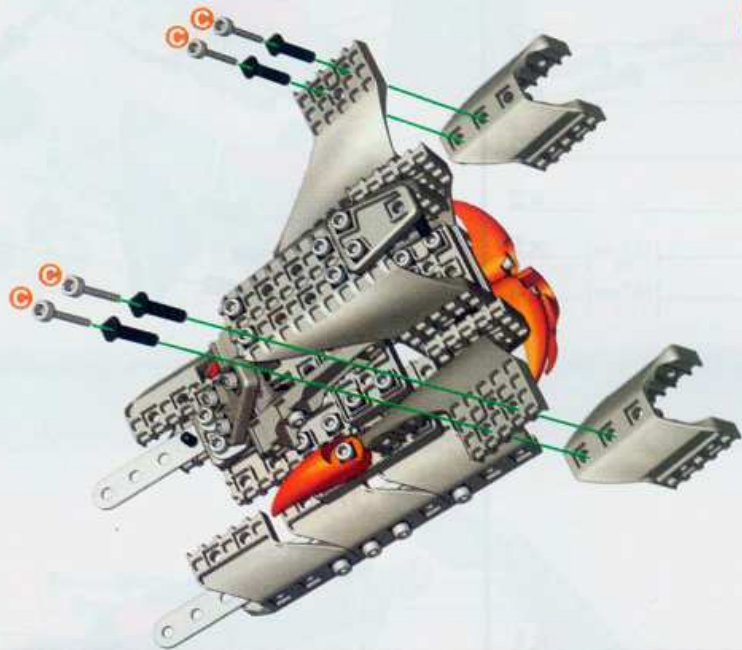
18 + 19 +

20



-  x2
-  x4
-  x4

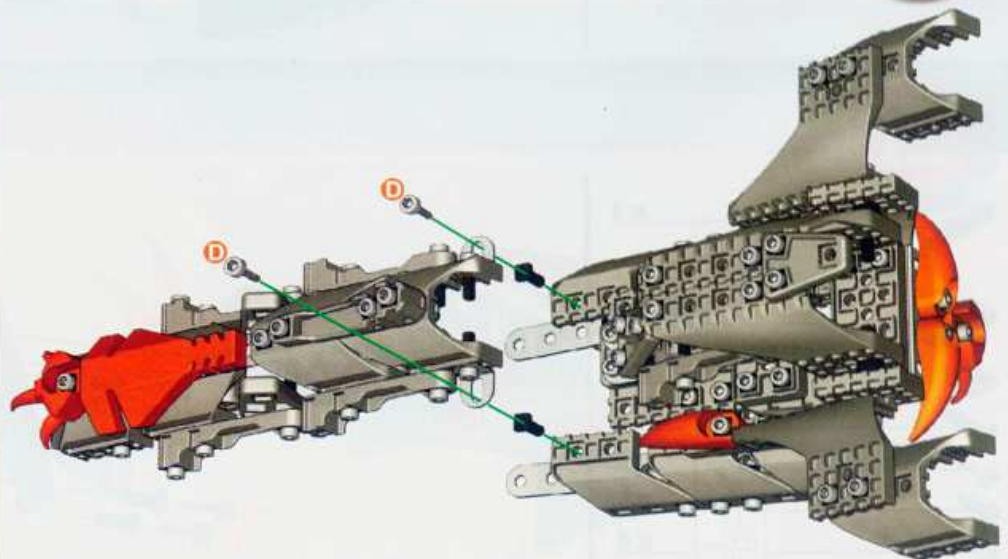
21



-  x2
-  x2










7 + 21 +

22





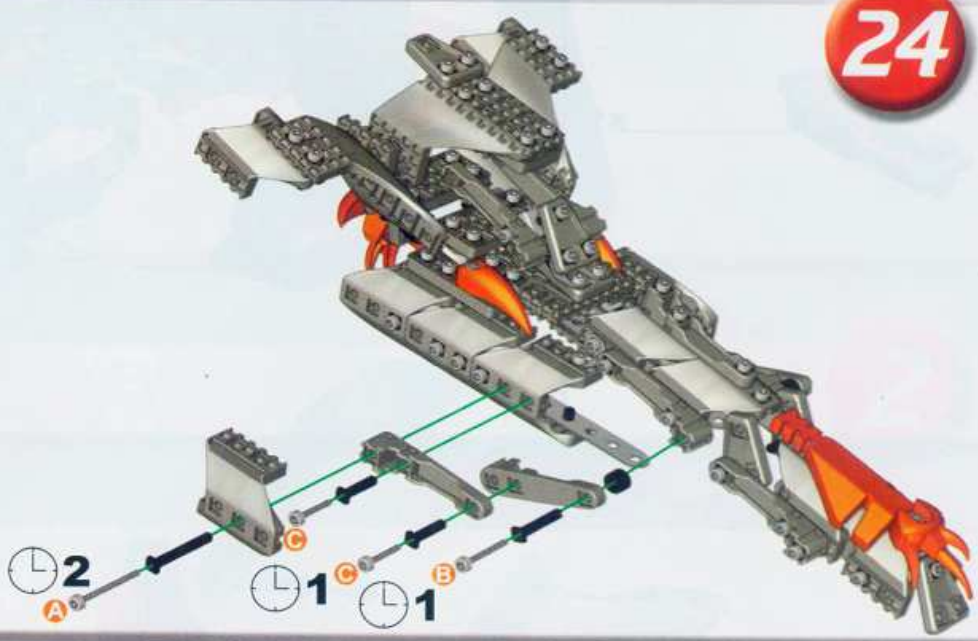
23

-  x1
-  x2
-  x1
-  (A) | 31.7 mm | x1
-  (A) | 31.7 mm | x1
-  (B) | 25.4 mm | x1
-  (B) | 25.4 mm | x1
-  (C) | 19 mm | x2
-  (C) | 19 mm | x2







24

-  x1
-  x2
-  x1
-  (A) | 31.7 mm | x1
-  (A) | 31.7 mm | x1
-  (B) | 25.4 mm | x1
-  (B) | 25.4 mm | x1
-  (C) | 19 mm | x2
-  (C) | 19 mm | x2




25

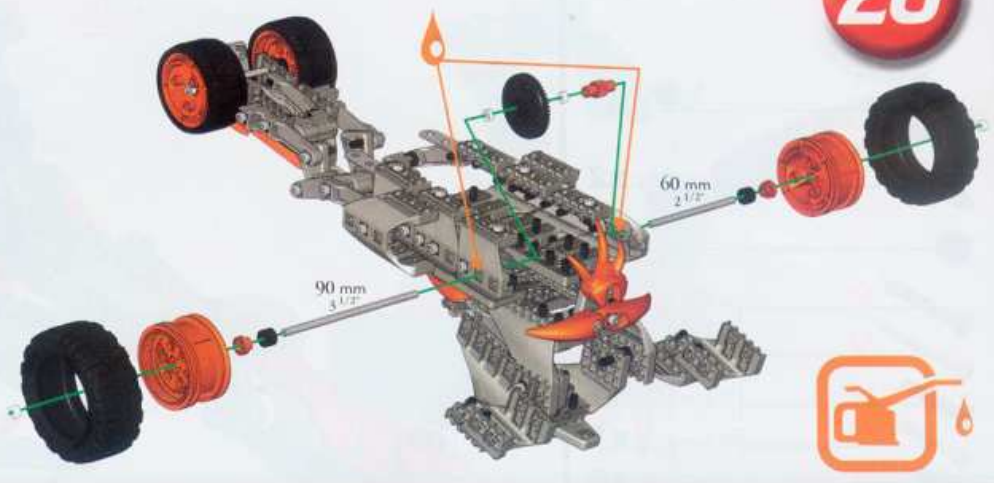
-  | 90 mm | x1
-  x2
-  x2
-  x2
-  x2
-  x2



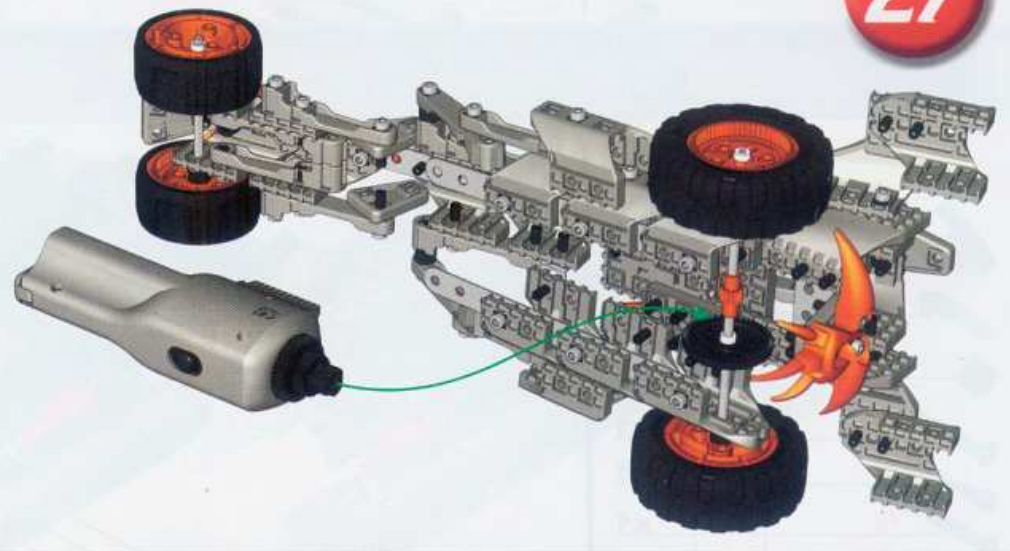


26

-  90 mm  $\frac{3}{1/2}$  x1
-  60 mm  $\frac{2}{1/2}$  x1
-  x2
-  x2
-  x1
-  x1
-  x2
-  x2
-  x4



27







28

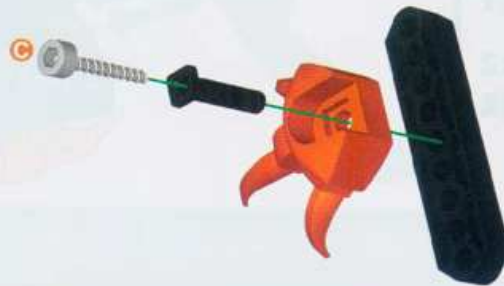










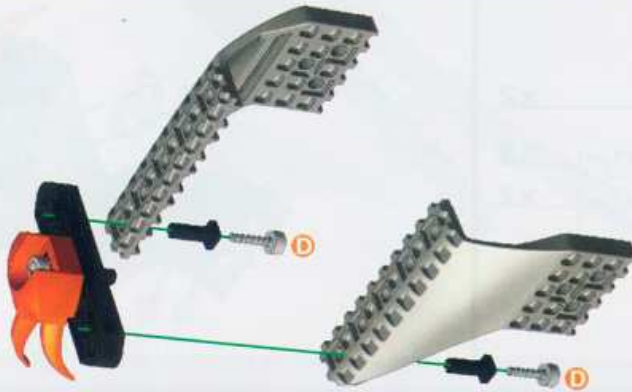
1

-  x1
-  x1
-  | 19 mm | x1  
5/4"
-  | 19 mm | x1  
5/4"



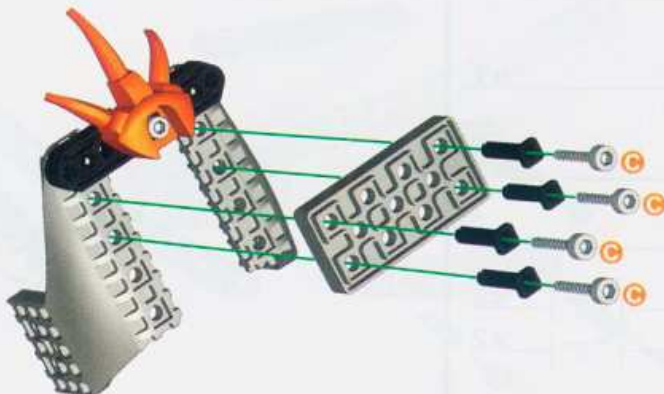
-  x1
-  x1
-  | 12,7 mm | x2  
1/2"
-  | 12,7 mm | x2  
1/2"

2



-  x1
-  | 19 mm | x4  
5/4"
-  | 19 mm | x4  
5/4"

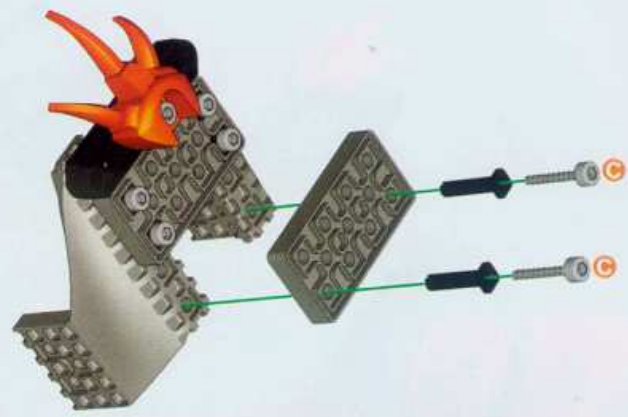
3









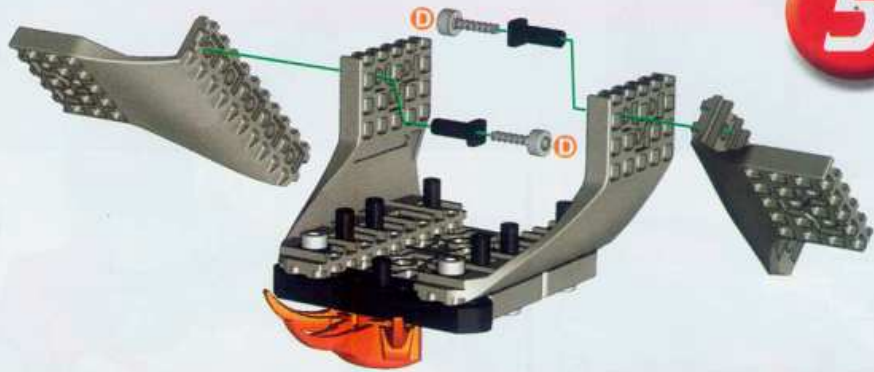
4

-  **x1**
-  **x2**
-  **x2**



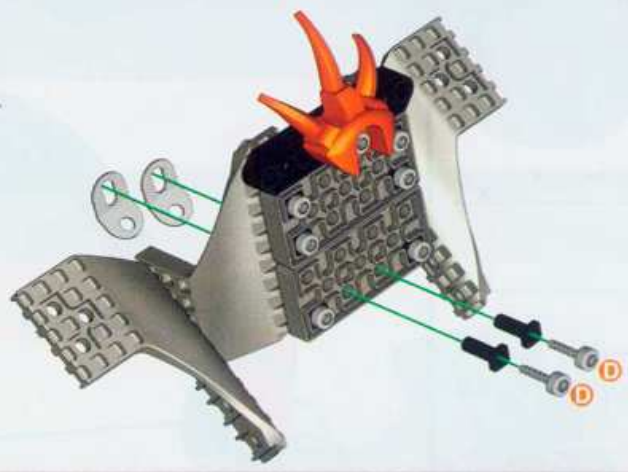
5

-  **x1**
-  **x1**
-  **x2**
-  **x2**








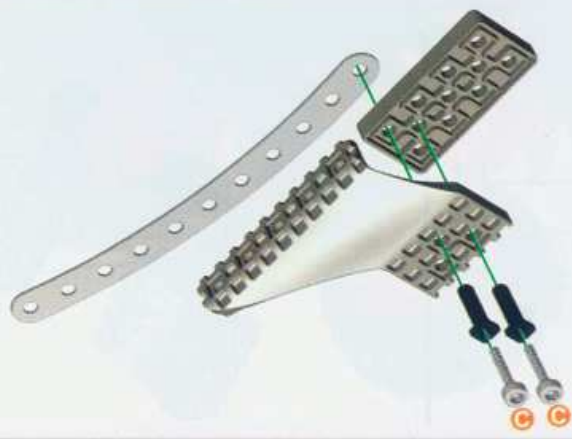
6

-  **x2**
-  **x2**
-  **x2**



7

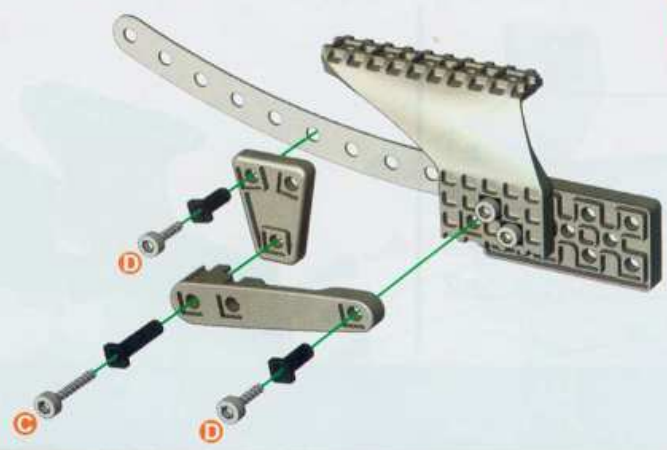
-  **x1**
-  **x1**
-  **x1**
-  **x2**
-  **x2**










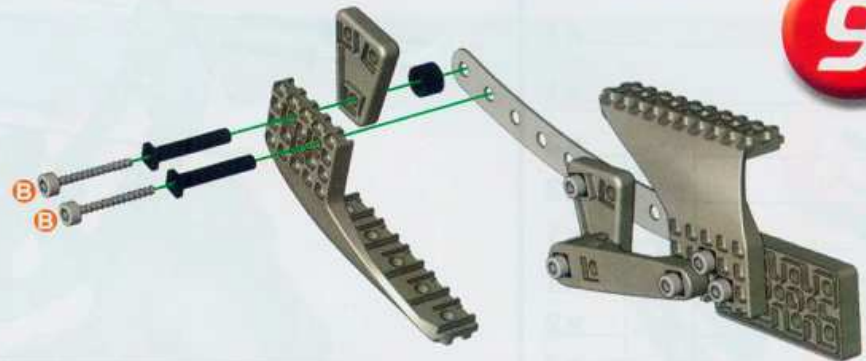
8

-  x1
-  x1
-  | 19 mm 5/4" | x1
-  | 19 mm 5/4" | x1
-  | 12,7 mm 1/2" | x2
-  | 12,7 mm 1/2" | x2








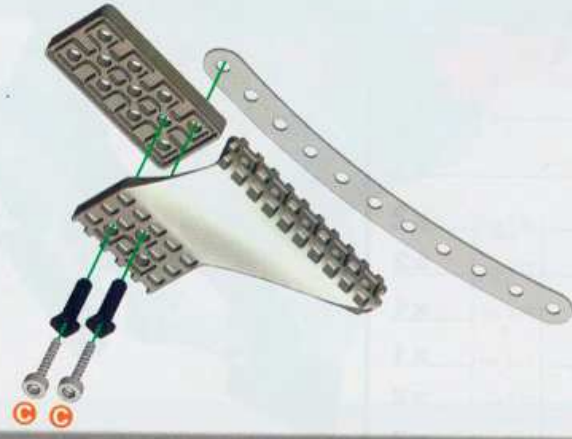
9

-  x1
-  x1
-  x1
-  | 25,4 mm 1" | x2
-  | 25,4 mm 1" | x2








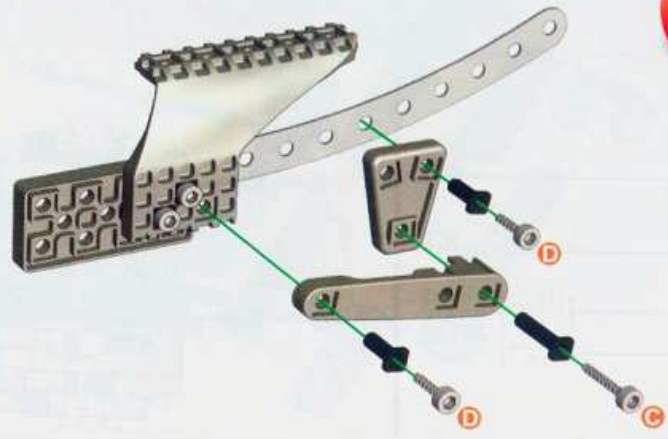
10

-  x1
-  x1
-  x1
-  | 19 mm 5/4" | x2
-  | 19 mm 5/4" | x2








11

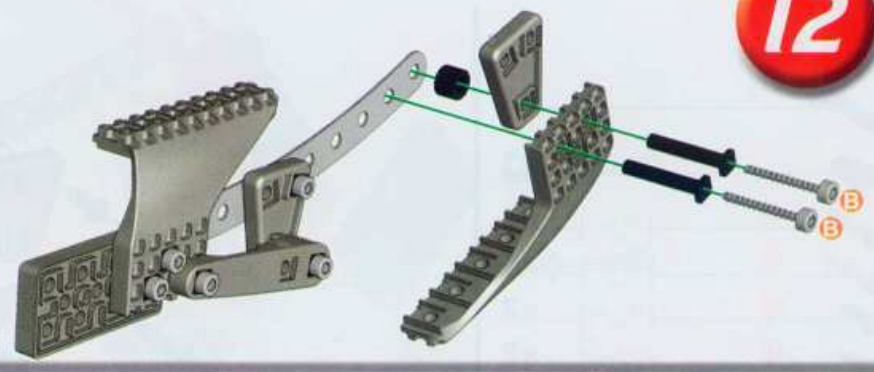
-  x1
-  x1
-  | 19 mm 5/4" | x1
-  | 19 mm 5/4" | x1
-  | 12,7 mm 1/2" | x2
-  | 12,7 mm 1/2" | x2





# 12

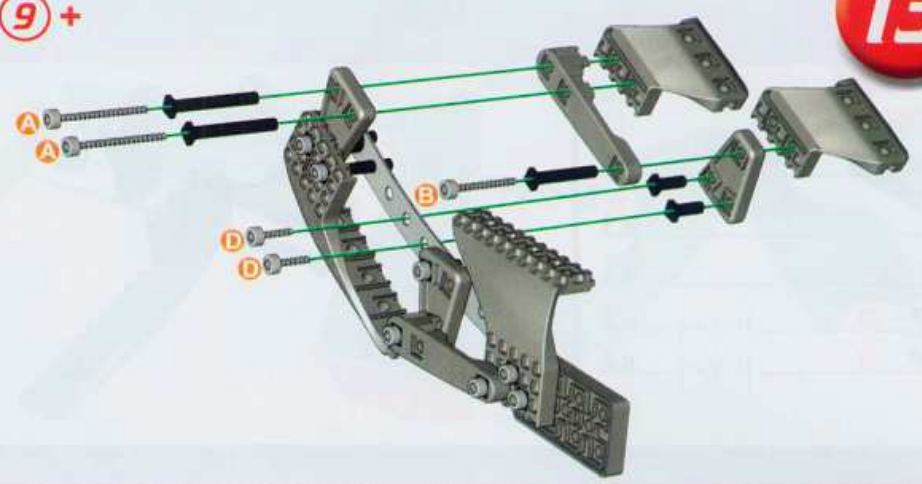
-  x1
-  x1
-  x1
-  (B) | 25,4 mm | x2
-  (B) | 25,4 mm | x2



# 13

-  x2
-  x1
-  x1
-  (A) | 31,7 mm | x2
-  (A) | 31,7 mm | x2
-  (B) | 25,4 mm | x1
-  (B) | 25,4 mm | x1
-  (D) | 12,7 mm | x2
-  (D) | 12,7 mm | x2

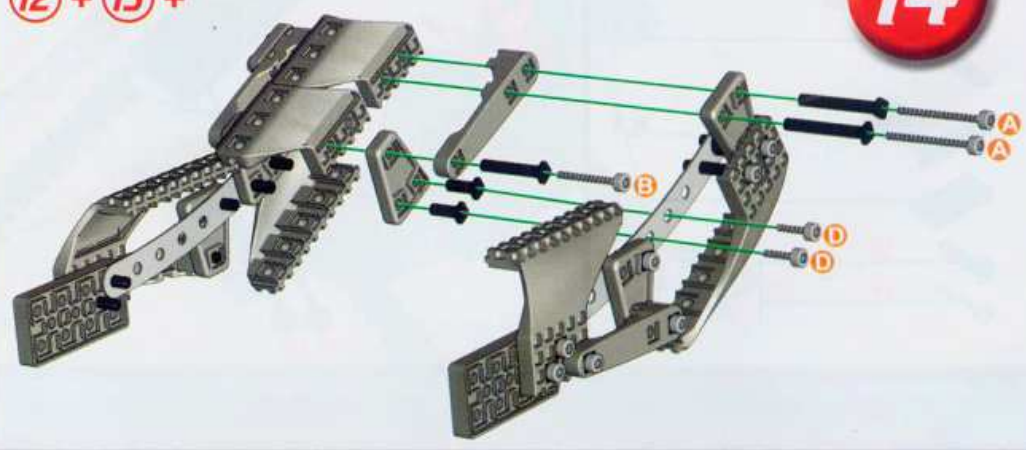
(9) +







# 14

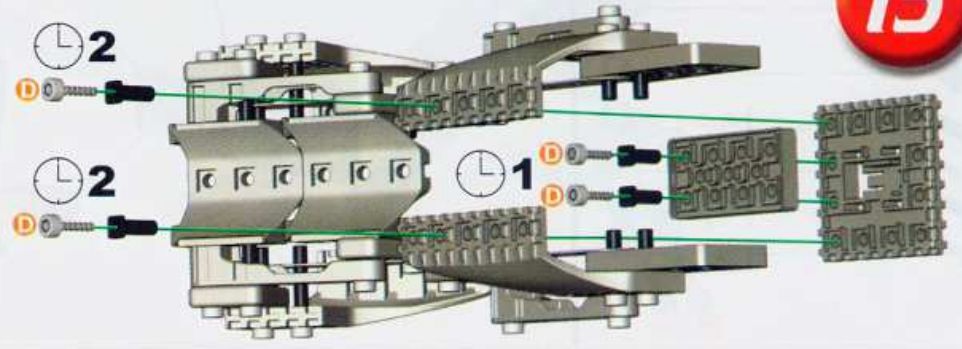
-  x1
-  x1
-  (A) | 31,7 mm | x2
-  (A) | 31,7 mm | x2
-  (B) | 25,4 mm | x1
-  (B) | 25,4 mm | x1
-  (D) | 12,7 mm | x2
-  (D) | 12,7 mm | x2

(12) + (13) +



# 15



-  x1
-  x1
-  (D) | 12,7 mm | x4
-  (D) | 12,7 mm | x4

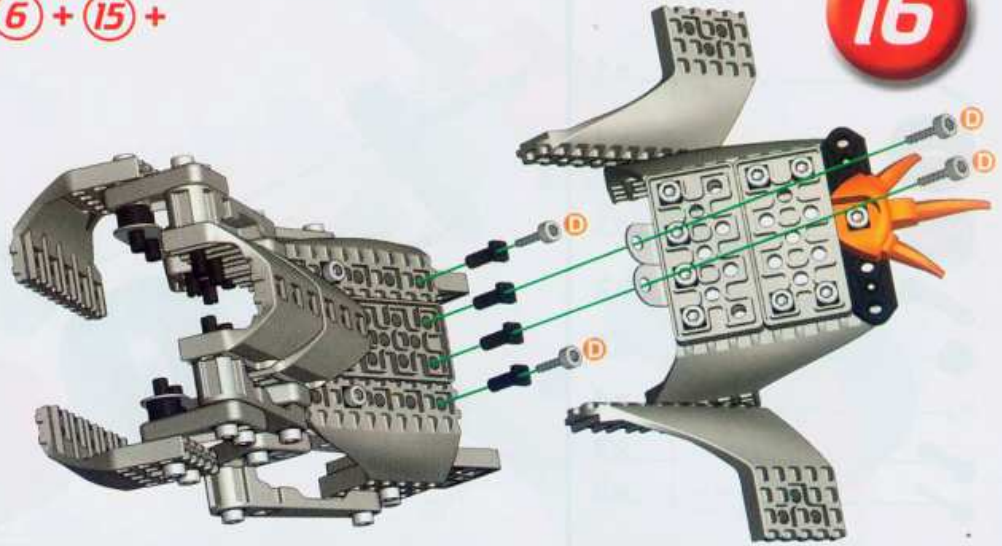




16

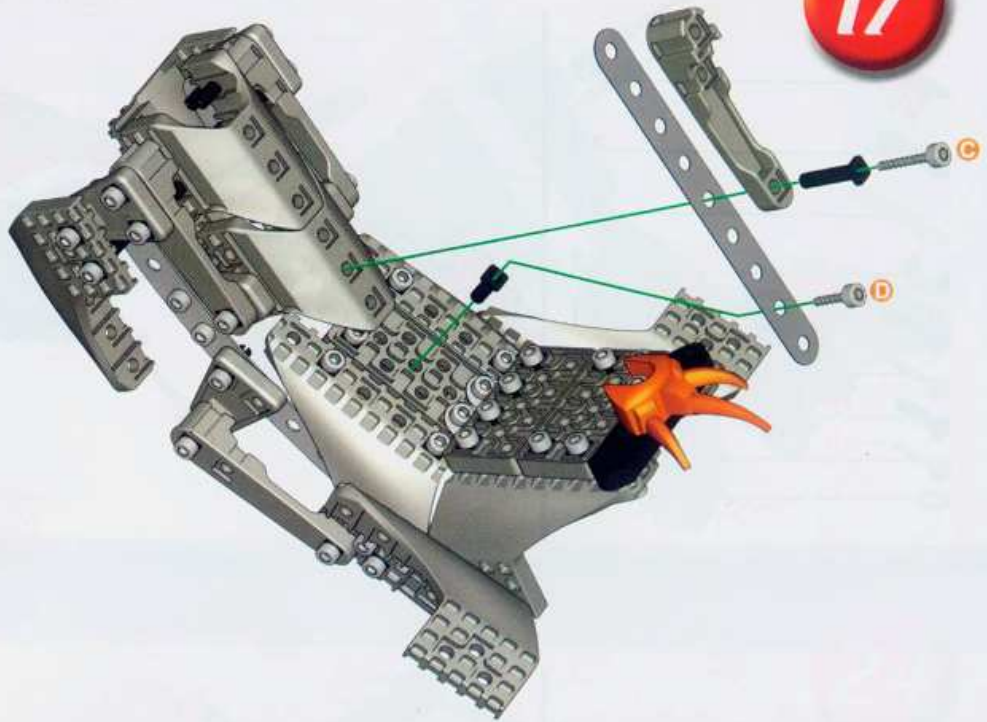
6 + 15 +

-  **D** | 12,7 mm | **x4**  
1/2"
-  **D** | 12,7 mm | **x4**  
1/2"








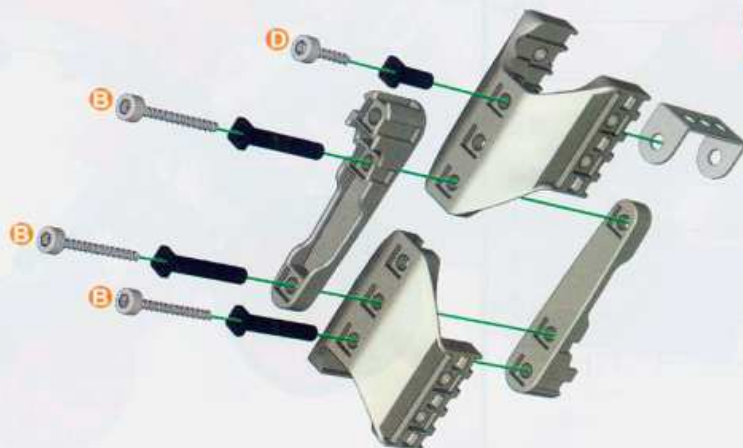
17

-   **x1**
-  **x1**
-  **C** | 19 mm | **x1**  
3/4"
-  **C** | 19 mm | **x1**  
3/4"
-  **D** | 12,7 mm | **x1**  
1/2"
-  **D** | 12,7 mm | **x1**  
1/2"



18

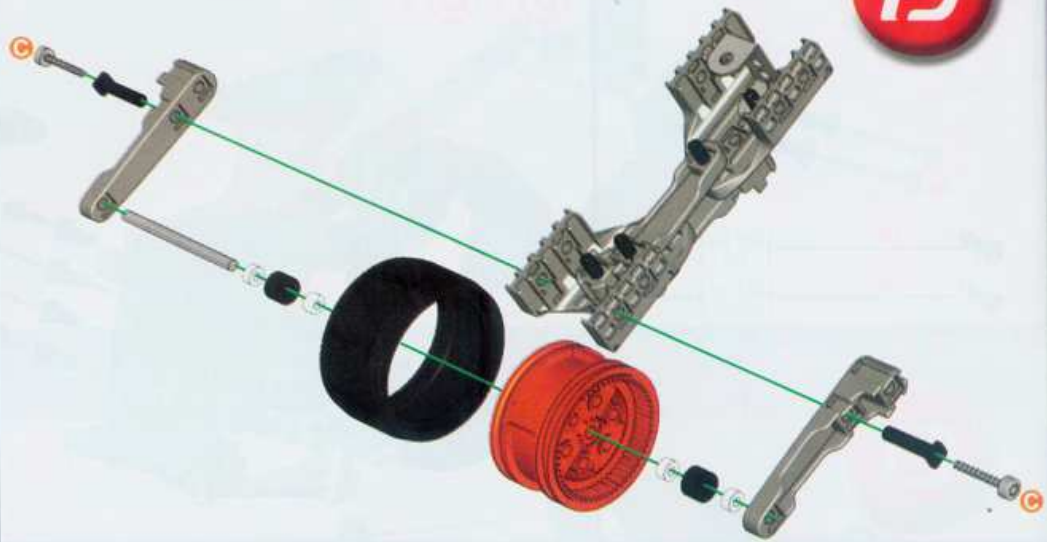
-  **x2**
-  **x2**
-  **x1**
-  **B** | 25,4 mm | **x3**  
1"
-  **B** | 25,4 mm | **x3**  
1"
-  **D** | 12,7 mm | **x1**  
1/2"
-  **D** | 12,7 mm | **x1**  
1/2"





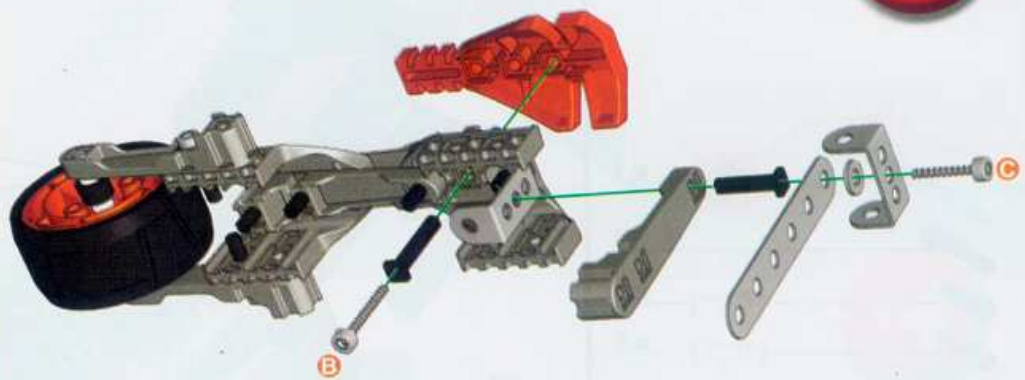
19

-  | 50 mm | **x1**
-  | **x1**
-  | **x1**
-  | **x2**
-  | **x2**
-  | **x4**
-  | 19 mm | **x2**  
3/4"
-  | 19 mm | **x2**  
3/4"



20

-  | **x1**
-  | **x1**
-  | **x1**
-  | **x1**
-  | 25,4 mm | **x1**  
1"
-  | 25,4 mm | **x1**  
1"
-  | 19 mm | **x1**  
3/4"
-  | 19 mm | **x1**  
3/4"
-  | **x1**



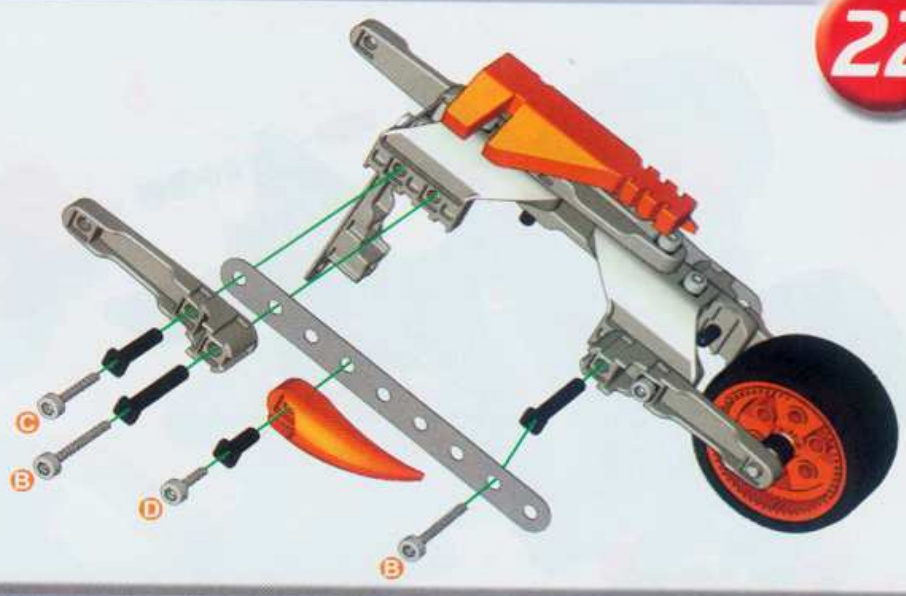
21

-  |  | **x1**
-  | **x1**
-  | **x1**
-  | 25,4 mm | **x2**  
1"
-  | 25,4 mm | **x2**  
1"
-  | 19 mm | **x1**  
3/4"
-  | 19 mm | **x1**  
3/4"
-  | 12,7 mm | **x1**  
1/2"
-  | 12,7 mm | **x1**  
1/2"



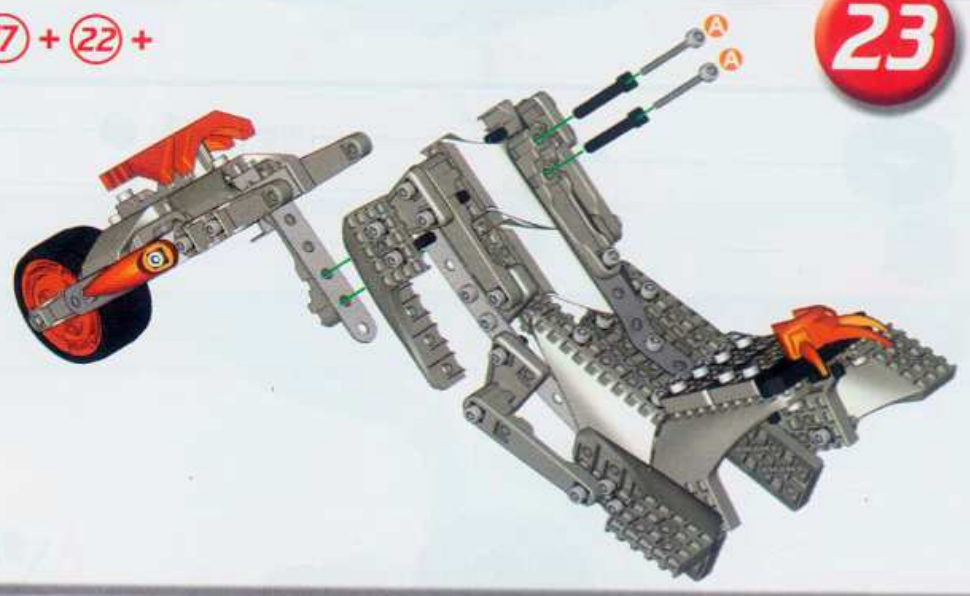







-   **x1**
-  **x1**
-  **x1**
-  **x2**
-  **x2**
-  **x1**
-  **x1**
-  **x1**
-  **x1**



17 + 22 +

-  **x2**
-  **x2**











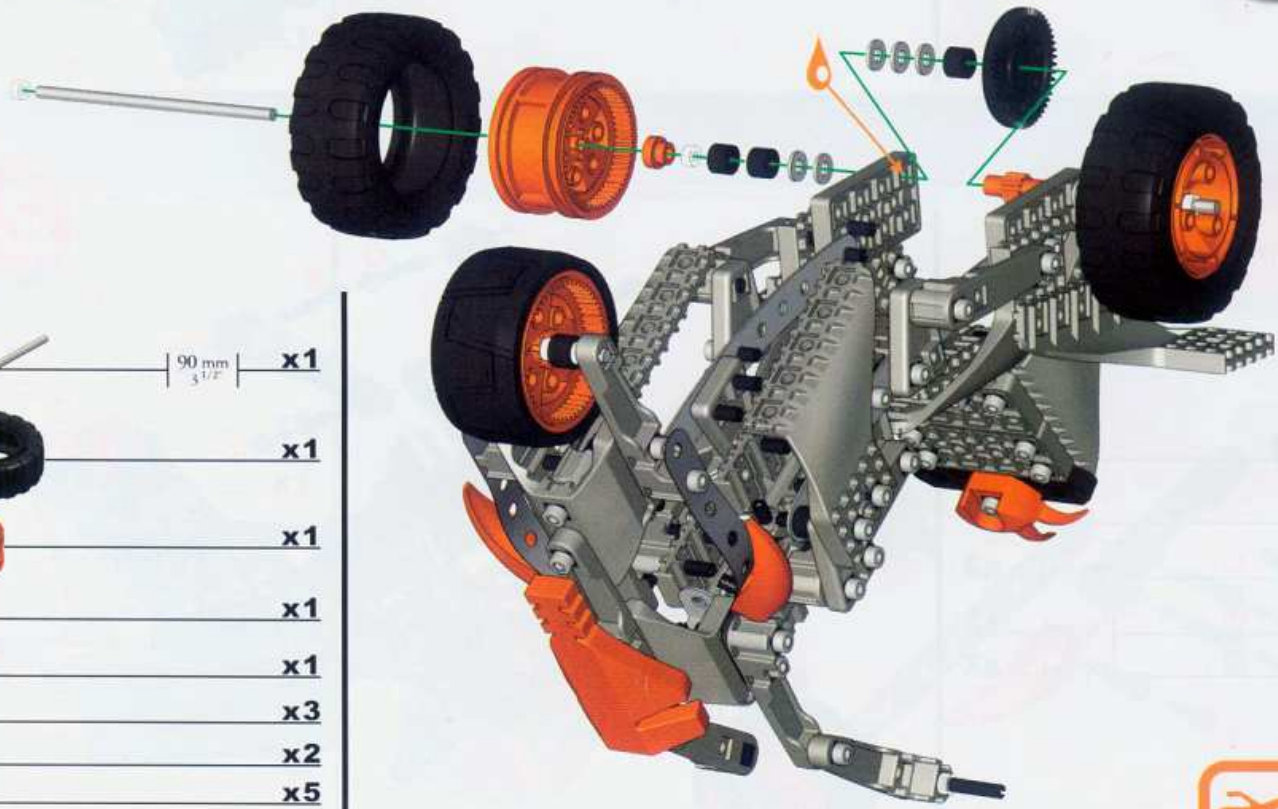
-  **x2**
-  **x2**
-  **x2**
-  **x2**
-  **x2**







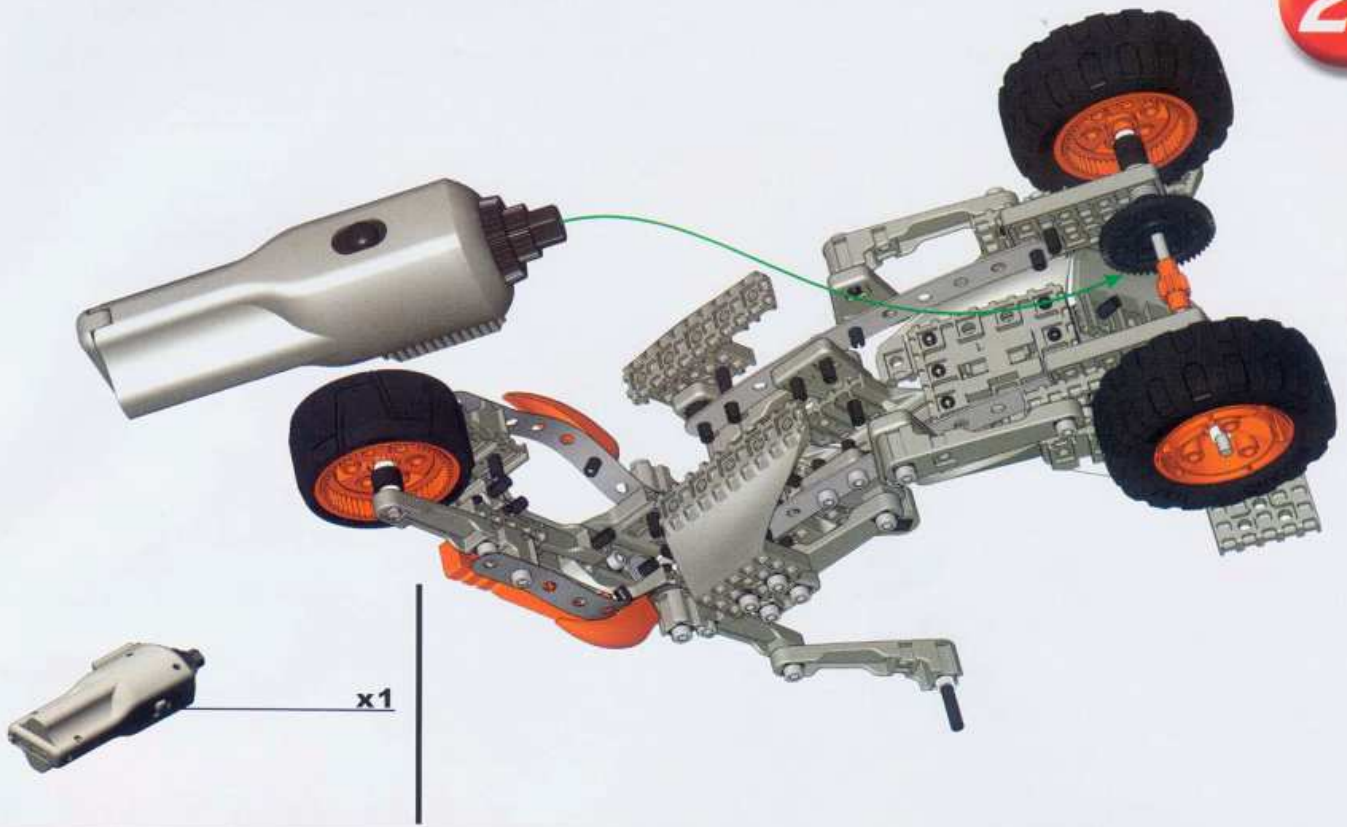
- |                                                                                    |    |                                                                                    |                 |    |                                                                                    |    |
|------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------|-----------------|----|------------------------------------------------------------------------------------|----|
|   | x1 |   | 60 mm<br>2 1/2" | x1 |   | x2 |
|  | x1 |   |                 | x1 |   | x2 |
|                                                                                    |    |  |                 | x1 |  | x2 |



- |                                                                                     |                 |    |
|-------------------------------------------------------------------------------------|-----------------|----|
|  | 90 mm<br>3 1/2" | x1 |
|  |                 | x1 |
|  |                 | x1 |
|  |                 | x1 |
|  |                 | x1 |
|  |                 | x3 |
|  |                 | x2 |
|  |                 | x5 |









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**F** Les piles ne doivent pas être rechargées. Les accumulateurs doivent être enlevés du jouet avant d'être chargés (s'ils peuvent être enlevés). Différents types de piles ou accumulateurs ou des piles ou accumulateurs neufs et usagés ne doivent pas être mélangés. Seuls des piles ou accumulateurs du type recommandé ou d'un type similaire doivent être utilisés. Les piles et accumulateurs doivent être mis en place en respectant la polarité. Les piles et accumulateurs usagés doivent être enlevés du jouet. Les bornes d'une pile ou d'un accumulateur ne doivent pas être mises en court-circuit. Indications à conserver.

**D** Die Batterien dürfen nicht wieder aufgeladen werden. Die Akkus müssen vor dem Nachladen aus dem Spielzeug genommen werden (wenn sie ausgebaut werden können). Die Akkus dürfen nur unter Aufsicht eines Erwachsenen nachgeladen werden (wenn sie ausgebaut werden können). Unterschiedliche Arten von Batterien und Akkus oder neue und gebrauchte Batterien bzw. Akkus dürfen nicht zusammen verwendet werden. Es dürfen nur Batterien bzw. Akkus der empfohlenen Art oder einer ähnlichen Art verwendet werden. Beim Einsetzen der Batterien bzw. Akkus auf die richtige Polung achten. Verbrauchte Batterien bzw. Akkus bitte aus dem Spielzeug entfernen. Die Klemmen der Batterien bzw. Akkus dürfen nicht kurzgeschlossen werden. Diese Anweisungen bitte aufbewahren.

**I** Le pile non devono essere ricaricate. Gli accumulatori devono essere tolti dal giocattolo prima di essere caricati (se è possibile toglierli). Gli accumulatori devono essere caricati solo sotto la sorveglianza di un adulto (se è possibile toglierli). Non possono essere mescolati tipi diversi di pile o di accumulatori oppure pile o accumulatori nuovi e usati. Si devono usare solo pile o accumulatori del tipo raccomandato o di un tipo simile. Le pile e gli accumulatori devono venire sistemati rispettando la polarità. Le pile e gli accumulatori usati devono essere tolti dal giocattolo. I morsetti di una pila o di un accumulatore non devono essere messi in cortocircuito. Conservare queste istruzioni.

**E** Las pilas no deberán recargarse. Habrá que retirar los acumuladores del juguete antes de proceder a recargarlos (si es que pueden retirarse). Los acumuladores sólo se recargarán bajo la vigilancia de una persona adulta (si es que pueden retirarse). No deberán mezclarse diferentes tipos de pilas o acumuladores o de pilas o acumuladores nuevos y usados. Sólo se utilizarán pilas o acumuladores del tipo recomendado o de un tipo similar. Las pilas y acumuladores deberán colocarse respetando la polaridad. Deberán retirarse del juguete las pilas y acumuladores usados. Lors bornes de una pila o de un acumulador no deberán disponerse nunca en posición de cortocircuito. Conserve estas indicaciones.

**P** As pilhas não devem ser novamente carregadas. Os acumuladores devem ser removidos do brinquedo antes de serem carregados (caso possam ser removidos). Os acumuladores devem ser carregados apenas sob cuidados de um adulto (caso possam ser removidos). Diferentes tipos de pilhas ou acumuladores ou pilhas ou acumuladores novos já utilizados não devem ser misturados. Pilhas ou acumuladores do tipo recomendado ou de um tipo similar poderão ser utilizados. As pilhas e acumuladores devem ser inseridos, respeitando a polaridade. Devem ser removidos do brinquedo as pilhas e acumuladores já utilizados. Os polos de uma pilha ou de um acumulador não devem ser curto-circuitados. Indicações a conservar.

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**JPN** モデルならびに部品は、その多くが MECCANO 社所有のオリジナル・デザインで、意匠・商標および/または著作権に関する国内法によって保護されています。詳細については、当社 (MECCANO) メカノ社は (I) 組立の注意事項を守らなかった場合、(II) 使用説明書に記されたもの以外の部品を使用した場合、(III) 部品を改変・改造した場合などに起きた事故については責任を負うことはできません。メカノ社の全モデルは事前に子供たちによりテストを行い、その安全性を確認されています。

**S** Batterierna skall inte laddas om. Akkumulatorbatterierna skall tas av från leksaken innan de laddas (om de kan tas av). Akkumulatorbatterierna skall endast laddas under uppsikt av en vuxen (om de kan tas av). Olika typer av batterier eller akkumulatorbatterier skall inte blandas. Nya och använda batterier eller akkumulatorbatterier skall inte blandas. Använd endast rekommenderade typer eller likartade typer av batterier eller akkumulatorbatterier. Batterierna, akkumulatorbatterierna skall sättas i med hänsyn till polerna. Använda batterier och akkumulatorbatterier skall tas av leksaken. Kontakterna på ett batteri eller ett akkumulatorbatteri skall inte kortslutas. Bevaka anvisningarna.

**FIN** Paristoja ei saa ladata uudelleen. Akut on otettava ulos leikkikalusta ennen lataamista (jos se on mahdollista). Akut saa ladata vain aikuisen valvonnassa (jos ne voidaan ottaa ulos). Erityyppisiä paristoja tai akkuja ei saa käyttää yhdessä, samoin ei saa sekoittaa akkuja ja uusia ja vanhoja paristoja. Vain suositeltuja akku- tai paristotyyppejä saa käyttää. Käytä vain suositeltuja paristoja tai akkuja. Paristoja ja akkuja on asetettava paikalleen niin, että navat tulevat oikeisiin suuntiin. Loppuunkäytetyt paristot tai akut on otettava leikkikalusta ulos. Akun tai pariston napoja ei saa oikosulkea. Ohjeet pidetäviä tallessa.

**DK** Batterierne må ikke oplades. Akkumulatorbatterier skal tages ud af legetøjet, inden de lades op (hvis de kan tages ud). Akkumulatorbatterierne må kun lades op under opsyn af en voksen (hvis de kan tages ud). Forskellige typer batterier og akkumulatorbatterier, eller nye og brugte batterier, må ikke blandes sammen. Der må kun anvendes batterier eller akkumulatorbatterier af den type der er anbefalet eller tilsvarende modeller. Batterier og akkumulatorbatterier vendes rigtigt (+/- poler). Brugte batterier og akkumulatorbatterier skal tages ud af legetøjet. Klemmerne på et batteri eller et akkumulatorbatteri må ikke kortsluttes. Disse instruktioner bør opbevares.

**NL** De batterijen mogen niet weer opgeladen worden. De accu's moeten voor het laden uit het speelgoed verwijderd worden (indien ze verwijderd kunnen worden). Gebruik geen verschillende typen batterijen of accu's of gebruikte nieuwe batterijen of accu's door elkaar. Gebruik alleen batterijen of accu's van het aanbevolen type of van een gelijkwaardig type. Let bij het plaatsen van de batterijen en accu's goed op de juiste polariteit. De verbruikte batterijen en accu's die uit het speelgoed verwijderd te worden. De aansluitingen van een batterij of van een accu mogen niet kortgesloten worden. Aanwijzingen om te bewaren.

**GR** Οι μπαταρίες δεν πρέπει να επαναφορτίζονται. Οι συσσωρευτές πρέπει να αφαιρούνται από το παιχνίδι πριν τη φόρτιση (εάν μπορούν να αφαιρεθούν). Οι συσσωρευτές πρέπει να φορτίζονται μόνον υπό την επίβλεψη ενήλικα (εάν μπορούν να αφαιρεθούν). Δεν πρέπει να ανακατεύονται διαφορεικοί τύποι μπαταριών ή συσσωρευτών ή μπαταριών ή συσσωρευτών και παλιών. Πρέπει να χρησιμοποιούνται με μπαταρίες ή συσσωρευτές του συνιστώμενου τύπου ή παρόμοιου τύπου. Οι μπαταρίες και οι συσσωρευτές πρέπει να τοποθετούνται σύμφωνα με τη σωστή πόλωση. Οι παλιές μπαταρίες και οι παλιοί συσσωρευτές πρέπει να αφαιρούνται από το παιχνίδι. Οι πόλοι μιας μπαταρίας ή ενός συσσωρευτή δεν πρέπει να βραχυκυκλώνονται. Διατηρήστε τις οδηγίες.

**JPN** 電池は充電しないで下さい。蓄電池は充電する前に玩具から取り外して下さい (玩具から取り外せるようになっている場合)。蓄電池の充電は必ず大人のいるところで行って下さい (玩具から取り外せるようになっている場合)。異なる種類の電池は、使用済、使用済、あるいは異なるタイプのものを混ぜて使用しないで下さい。電池や蓄電池は、指定の種類、またはそれに類似したもの以外は使用しないで下さい。電池や蓄電池を接続する際には、極性と接続の向きをよく確認します。使用済の電池や蓄電池は玩具から取り外して下さい。電池や蓄電池の極性はショートしないよう取り外しに注意して下さい。この説明書は保存しておいて下さい。

**USA** Do not mix old and new batteries. Do not mix alkaline, standard (carton-zinc), or rechargeable (nickel-cadmium) batteries.



363, avenue de Saint Exupéry  
62100 Calais - France  
<http://www.meccano.com>  
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