

19206



STEAM

ERECTOR™

BY **MECCANO™**
ENGINEERING & ROBOTICS

 **10+**
Instructions

Free from <https://pickyourrown.org/Erector-Super-Manual.php>

The Super Construction Set

- Builds 25 Models
- Motorized
- The Original STEAM Toy

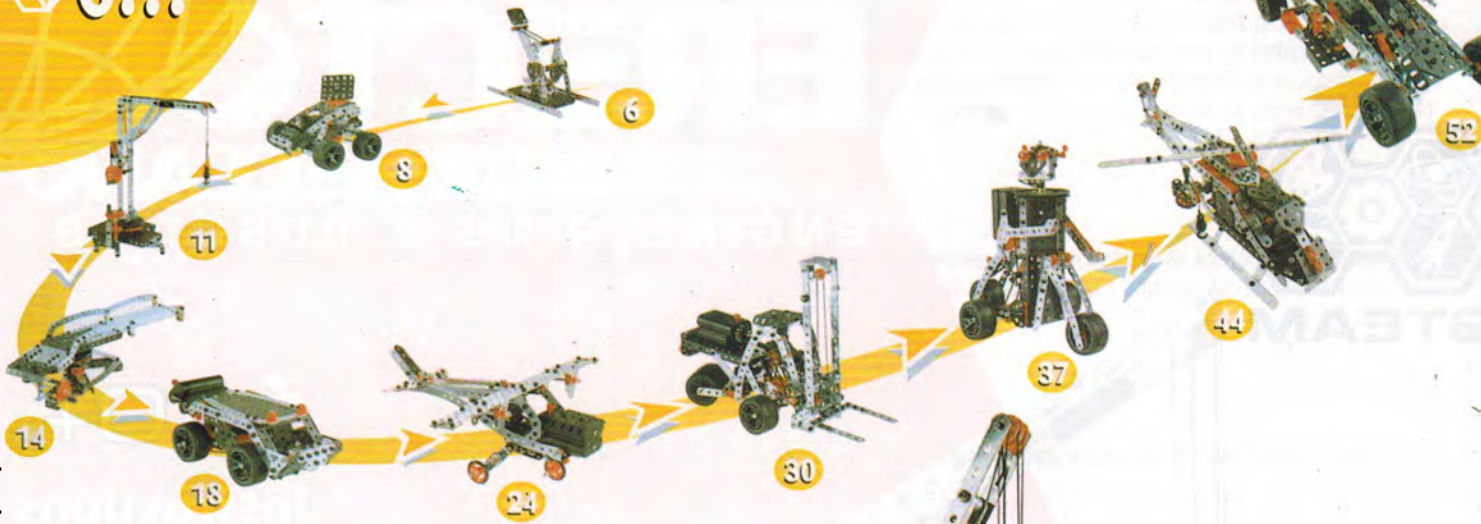


4x AA (LR6) 1.5V
Not included

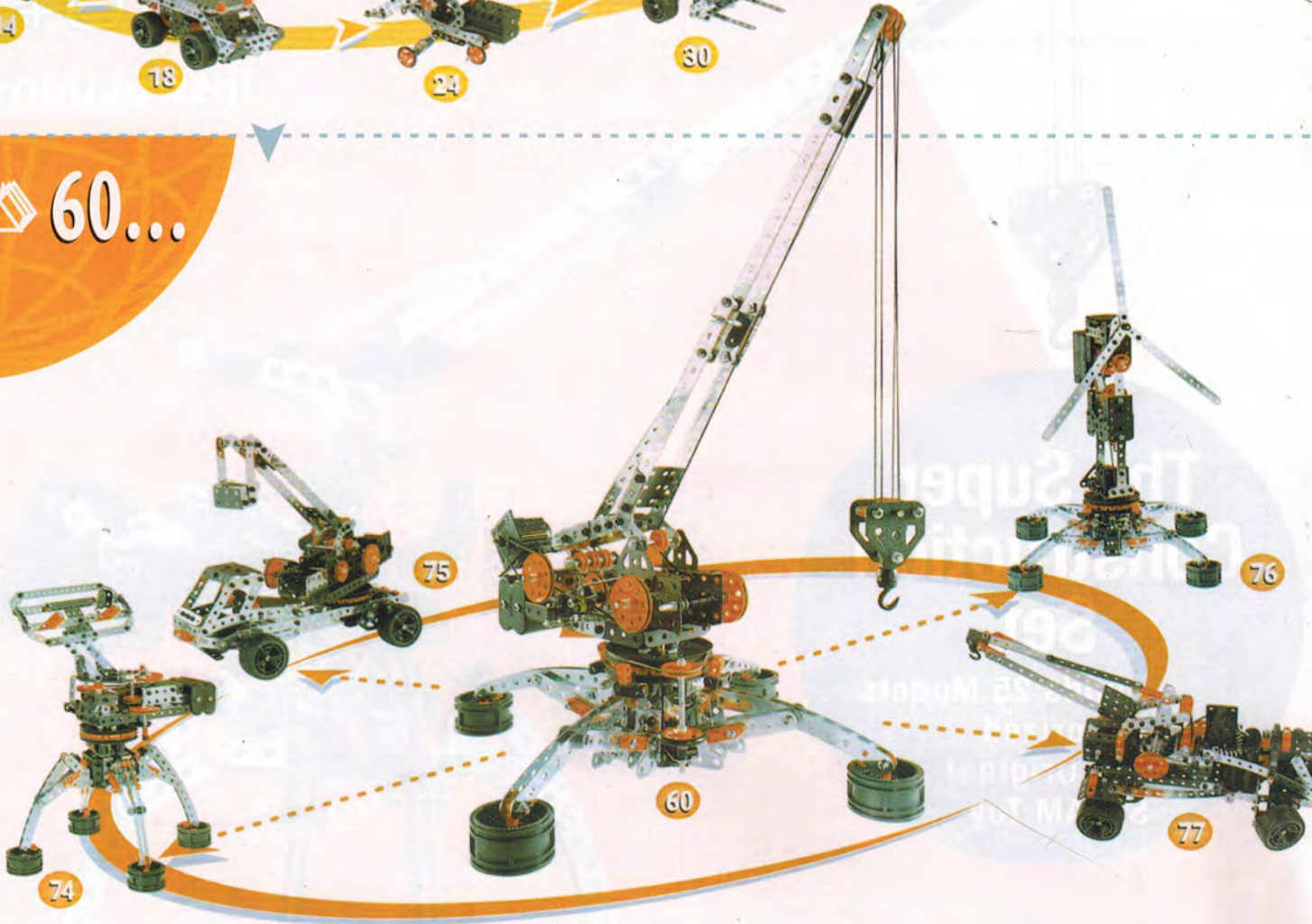
Free from <https://pickyourrown.org/Erector-Super-Manual.php>



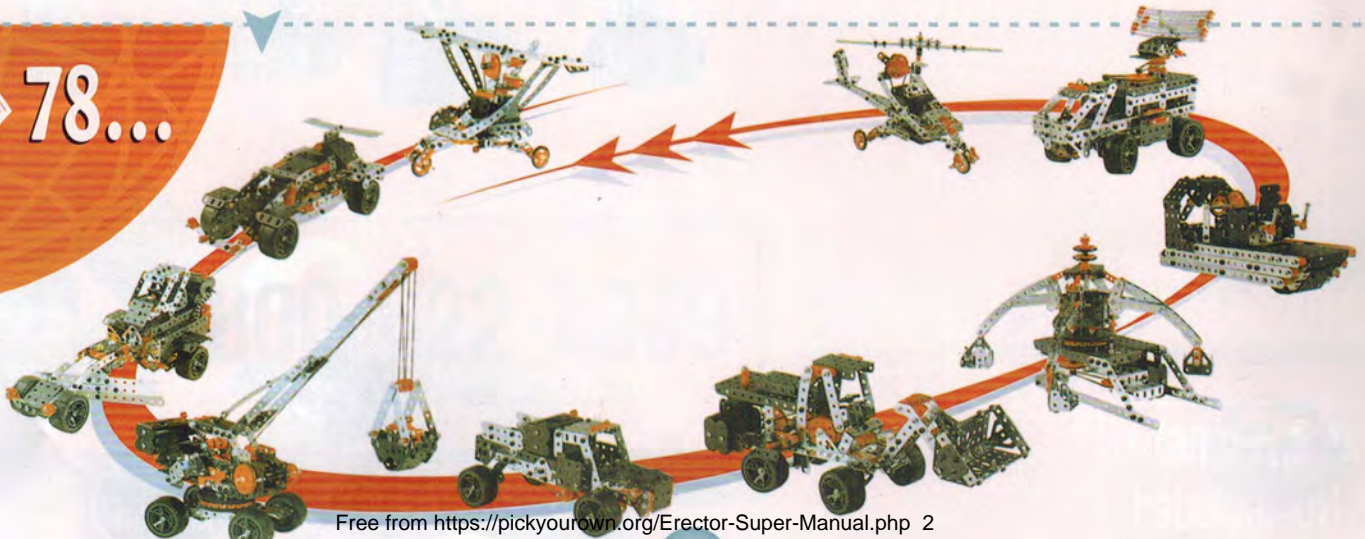
6...



60...



78...



Free from <https://pickyourown.org/Erector-Super-Manual.php>



1A x2



1B x3



89 x8



4 x10



5 x3



6 x2



6A x13



235D x1



47 x2



48A x3



46A x2



51F x2



51E x2



51G x4



51B x1



51D x4



161 x2



9F x2



126 x3



51C x1



126A x4



133 x2



133C x12



133B x2



52 x1



177A x2



12 x2



12D x1



12C x1



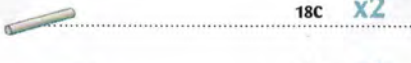
317 x1



316B x5



18B x1



18C x2



18A x1



17 x4



40 x1



186A x5



19B x2



137 x1



21P3P x3



22B3P x3



23B x10



38A x19



23C x8



57C x1



770 x1



187C x4



142R x4



C088 x1



36C x1



36D x1



111D x10



111E x11



111 x8



111A x14



111C x12



147G x6



147D x13



37B x65



69A x2



37A x125



37H x18



38 x28



260D x8



144C x2



38A x1



38A x38



38B x1



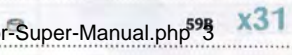
38B x5



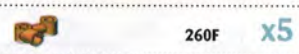
38B x8



38B x23



59B x31



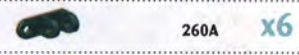
260F x5



59 x1



155 x3



260A x6



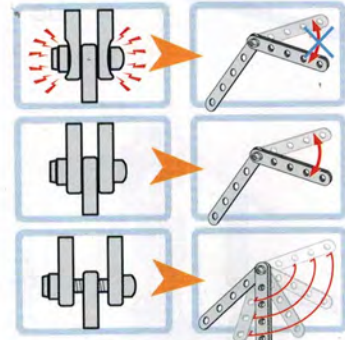
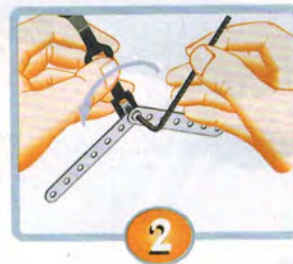
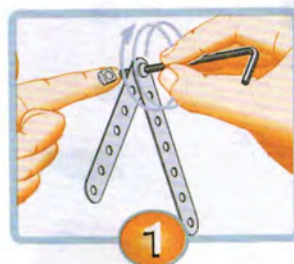
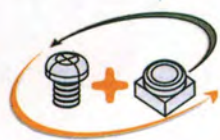
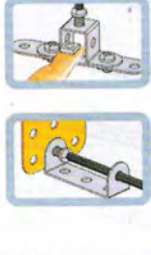
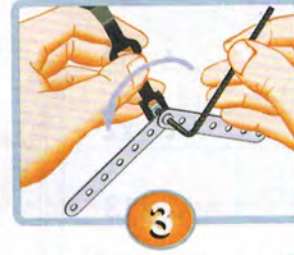
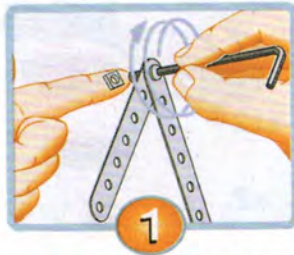
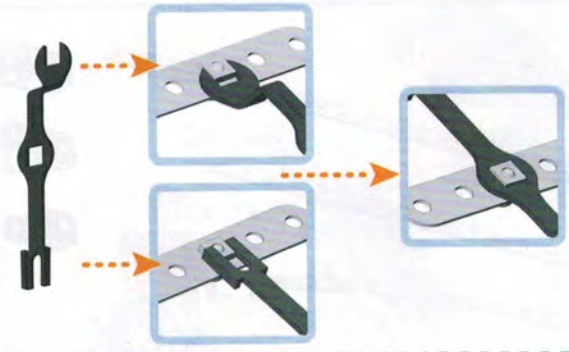
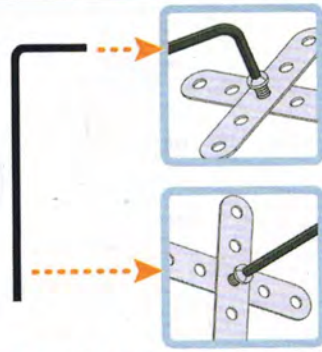
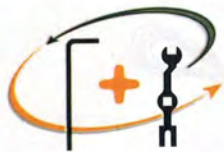
260C x12



260C x8



321A x1



28mm	
1 1/8"	
25,4mm	
1"	
23mm	
29/32"	
19mm	
3/4"	
14,7mm	
9/16"	
12mm	
1/2"	
9,5mm	
3/8"	
5,8mm	
15/64"	

Scale
Échelle
Maßstab
Scala

Escala
Schaal
Escala
Skala

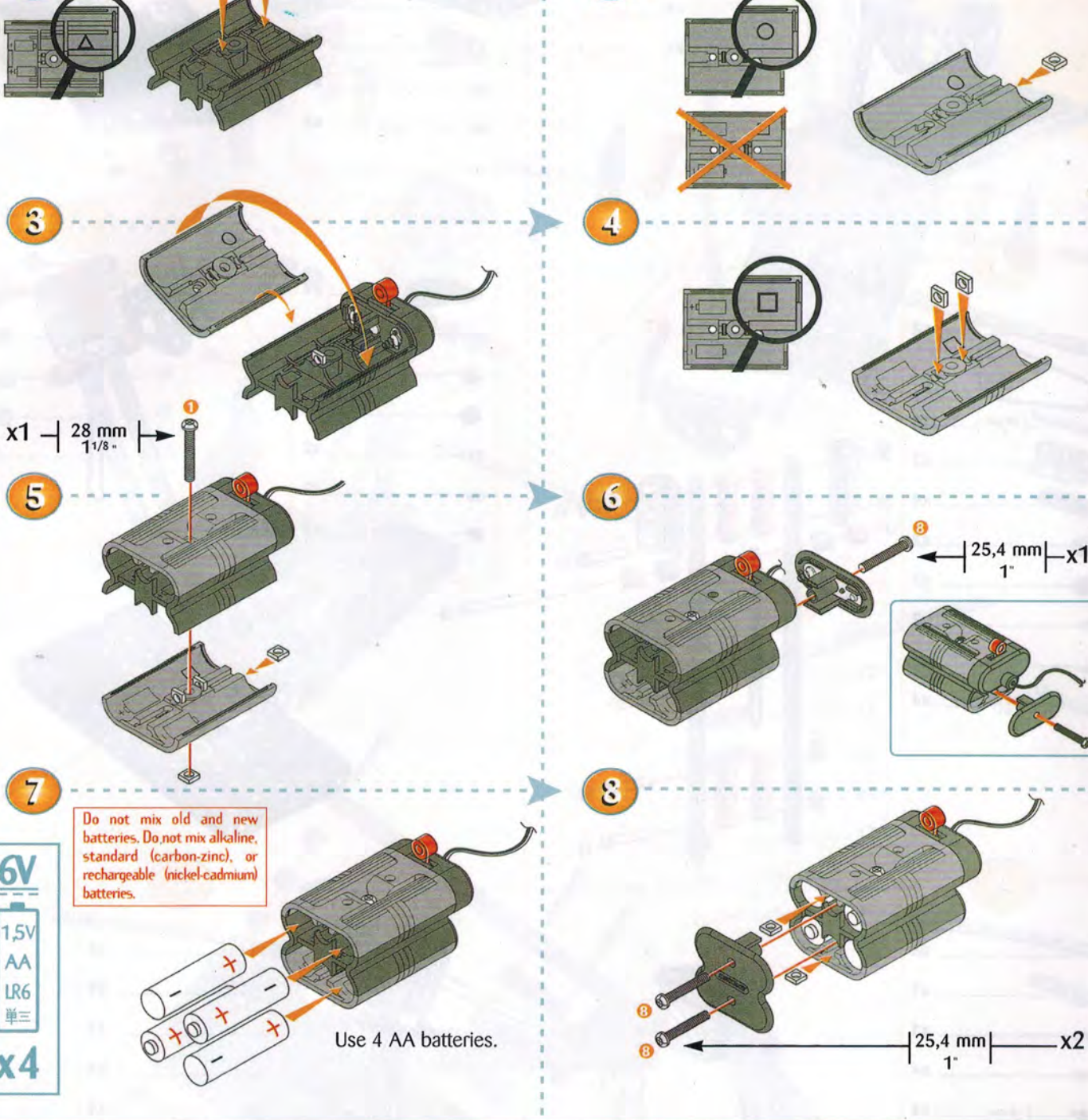
Mittakaava
Målestok
Κλίμακα
スケール

1:1

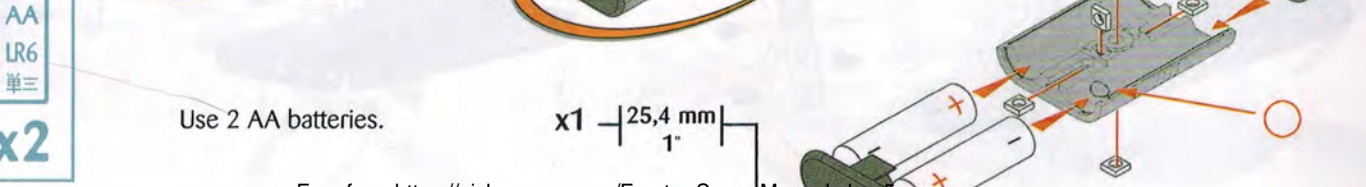


25mm	
1"	
32mm	
1 1/4"	
40mm	
1 1/2"	
50mm	
2"	
50mm	
2"	
75mm	
3"	

6V



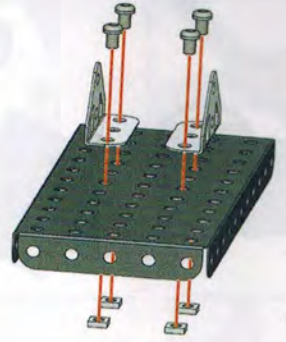
3V





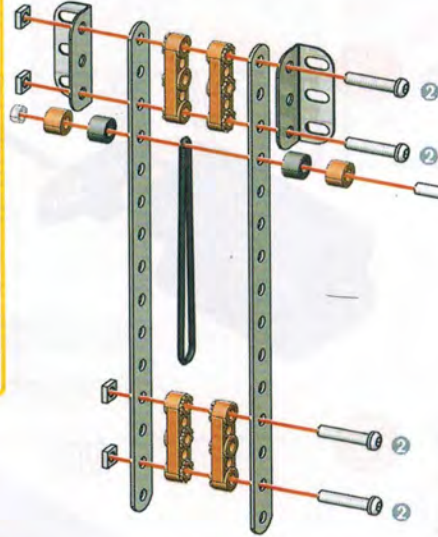
1

- x1
- x2
- x4
- x4 $5,8 \text{ mm}$ $15/64''$



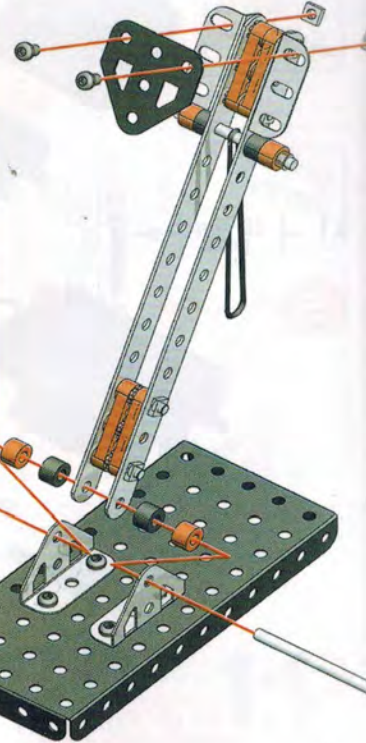
2

- x2
- x1
- x1 50 mm $2''$
- x2
- x4
- x2
- x2
- x2
- x2
- x4
- x4 19 mm $3/4''$



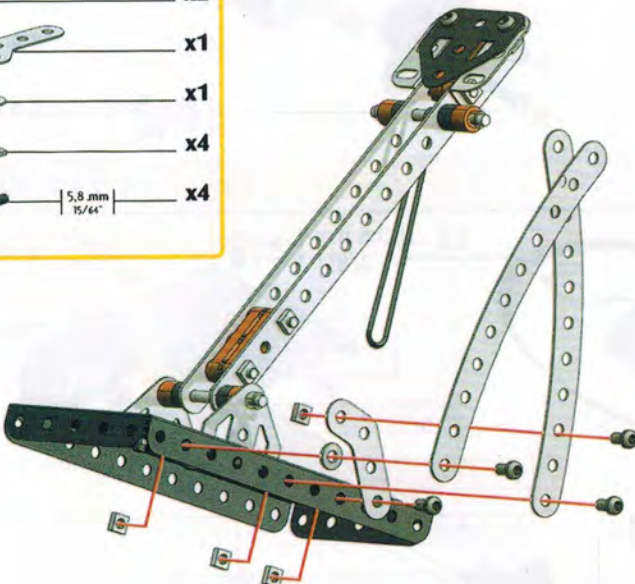
3

- x1
- x1 50 mm $2''$
- x2
- x2
- x2
- x2
- x2 $5,8 \text{ mm}$ $15/64''$



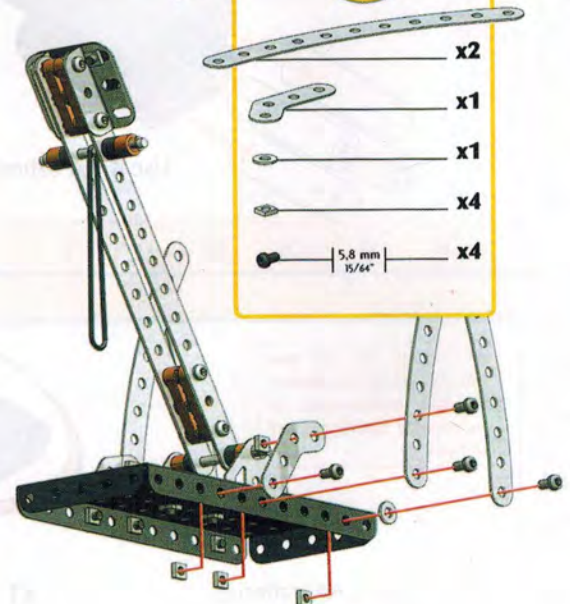
4

- x2
- x1
- x1
- x4
- x4 $5,8 \text{ mm}$ $15/64''$



5

- x2
- x1
- x1
- x4
- x4 $5,8 \text{ mm}$ $15/64''$



6

- x1
- x1
- x1
- x2
- x2

12 mm
1/2"

7

- x2
- x2
- x4
- x4

14.7 mm
9/16"

8

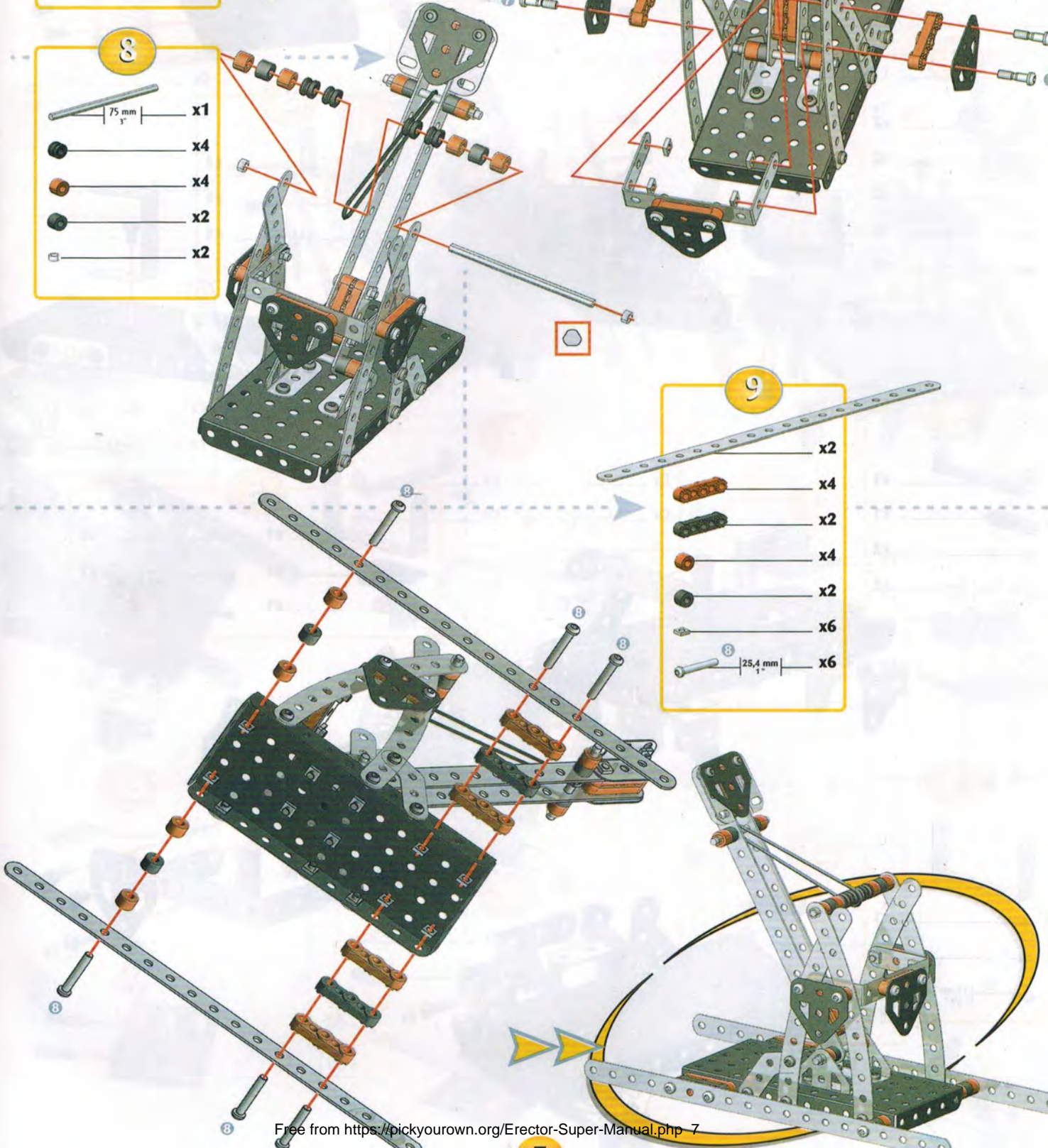
- x1
- x4
- x4
- x2
- x2

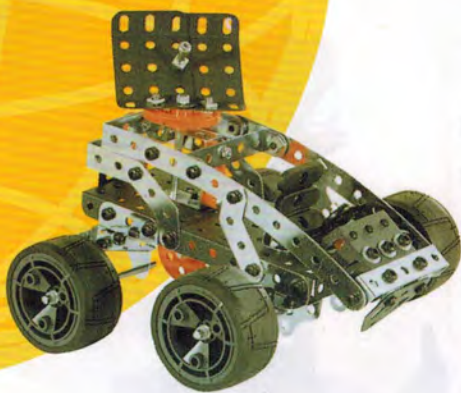
75 mm
3"

9

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

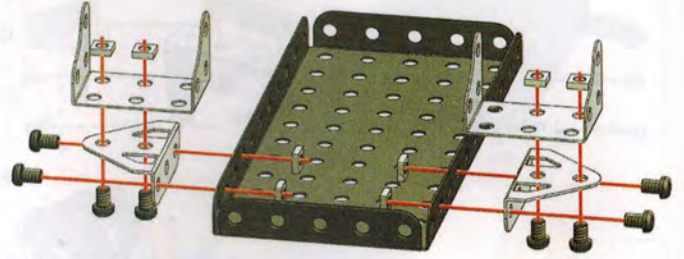
25.4 mm
1"





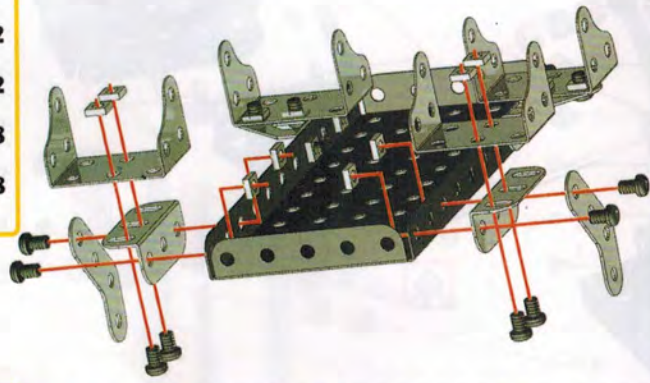
1

- x1 [5.8 mm / 15/64"]
- x2
- x8
- x2
- x8



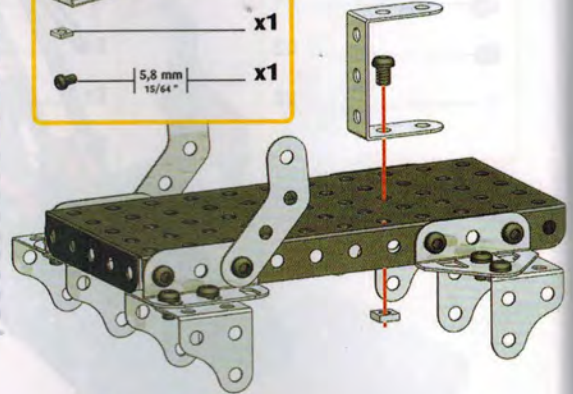
2

- x2
- x2
- x2
- x8
- x8



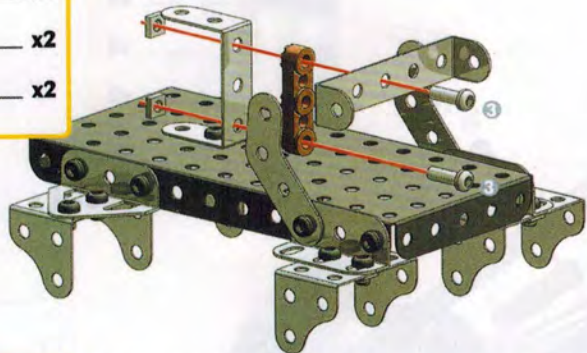
3

- x1
- x1
- x1



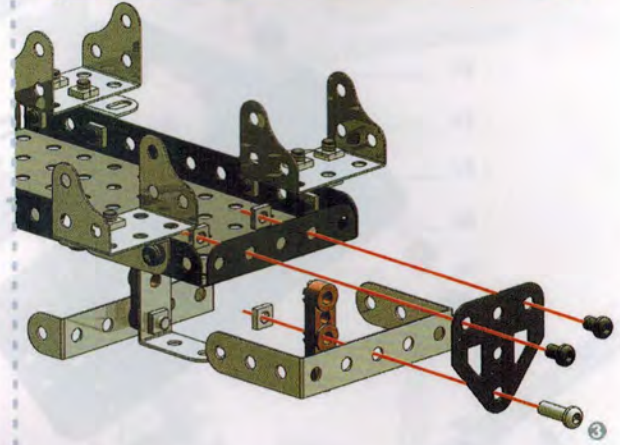
4

- x1
- x1
- x2
- x2



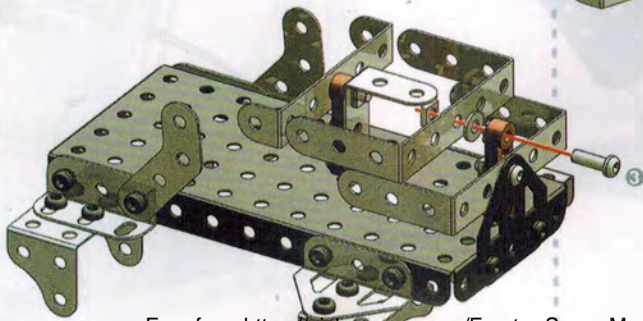
5

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







6

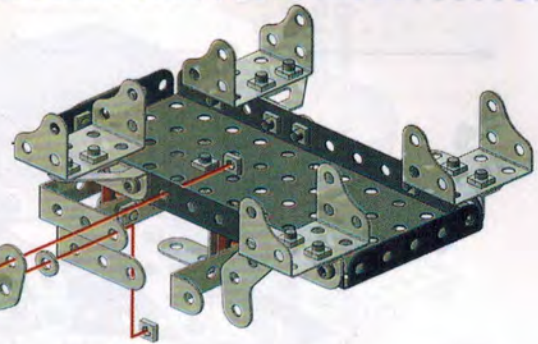
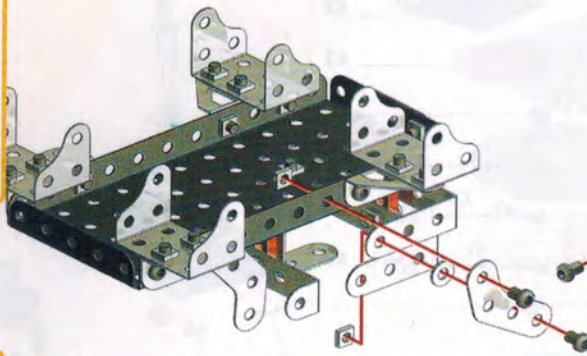
- x1
- x1
- x1
- x1







8

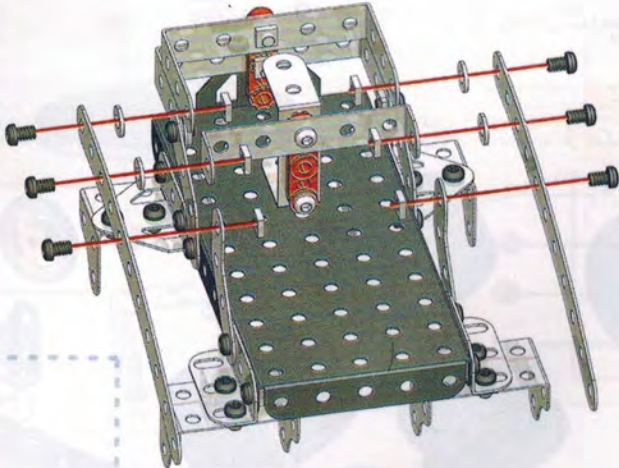
7

-  x2
-  x2
-  x4
-  x4



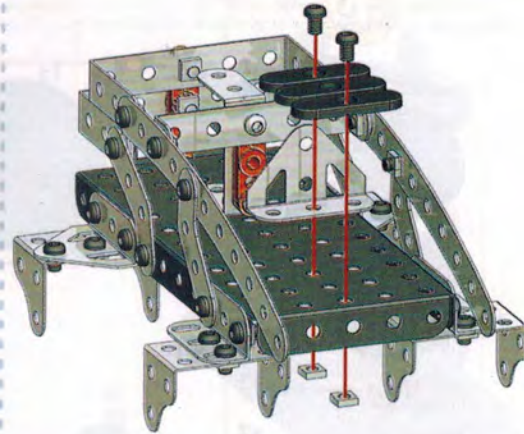
8

-  x2
-  x4
-  x6
-  x6



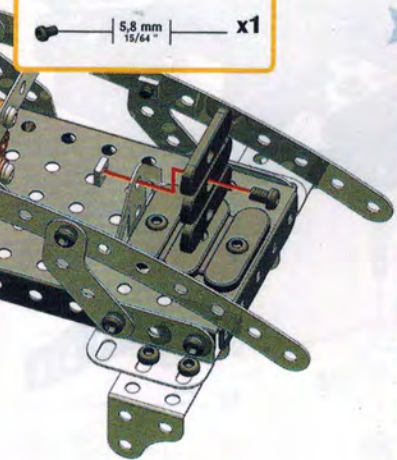
9

-  x1
-  x2
-  x1
-  x2







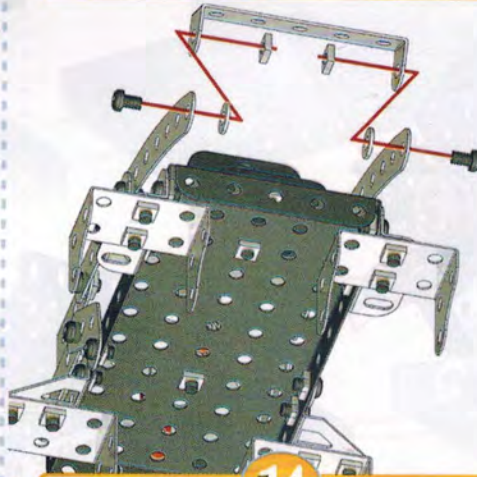
10

-  x1
-  x1
-  x1



11

-  x1
-  x2
-  x2
-  x2



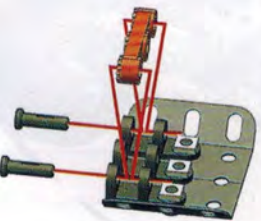
12

-  x1
-  x3
-  x3
-  x3
-  x3






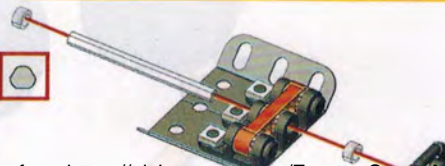
13

-  x1
-  x2







14

-  x1
-  x3
-  x1

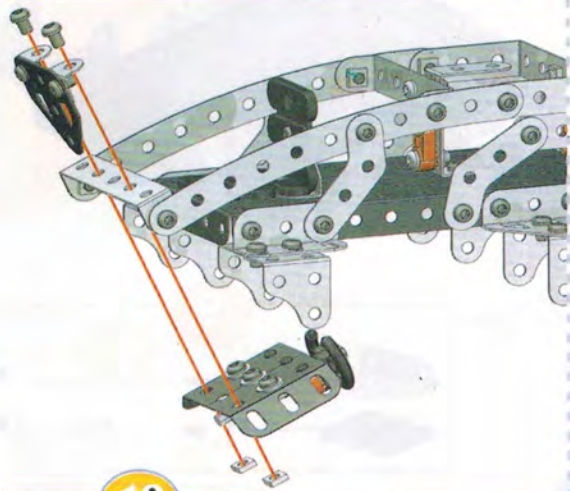


15

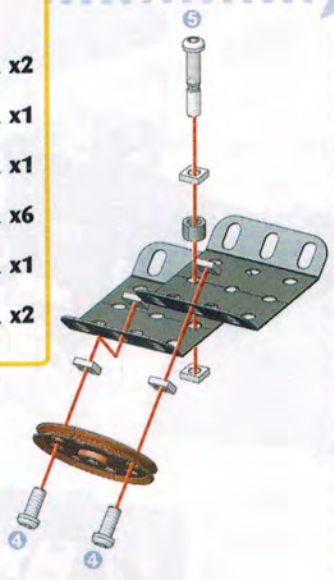
-  x1
-  x2
-  x2
-  x2



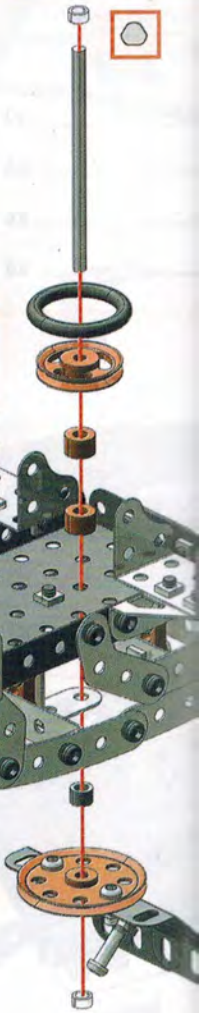
- 16**
- x2
 - 5,8 mm 15/64"
 - x2



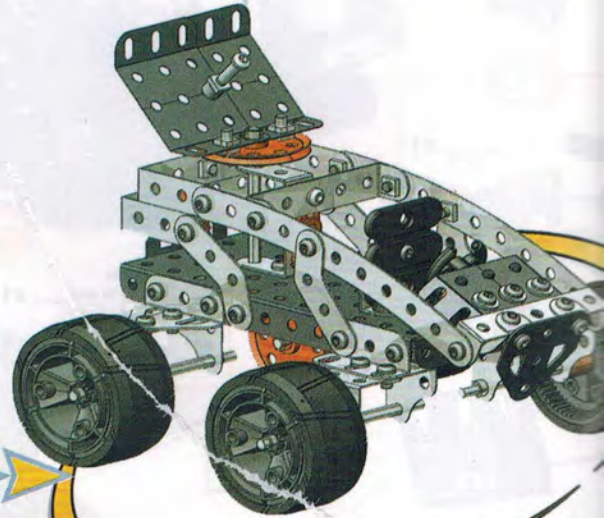
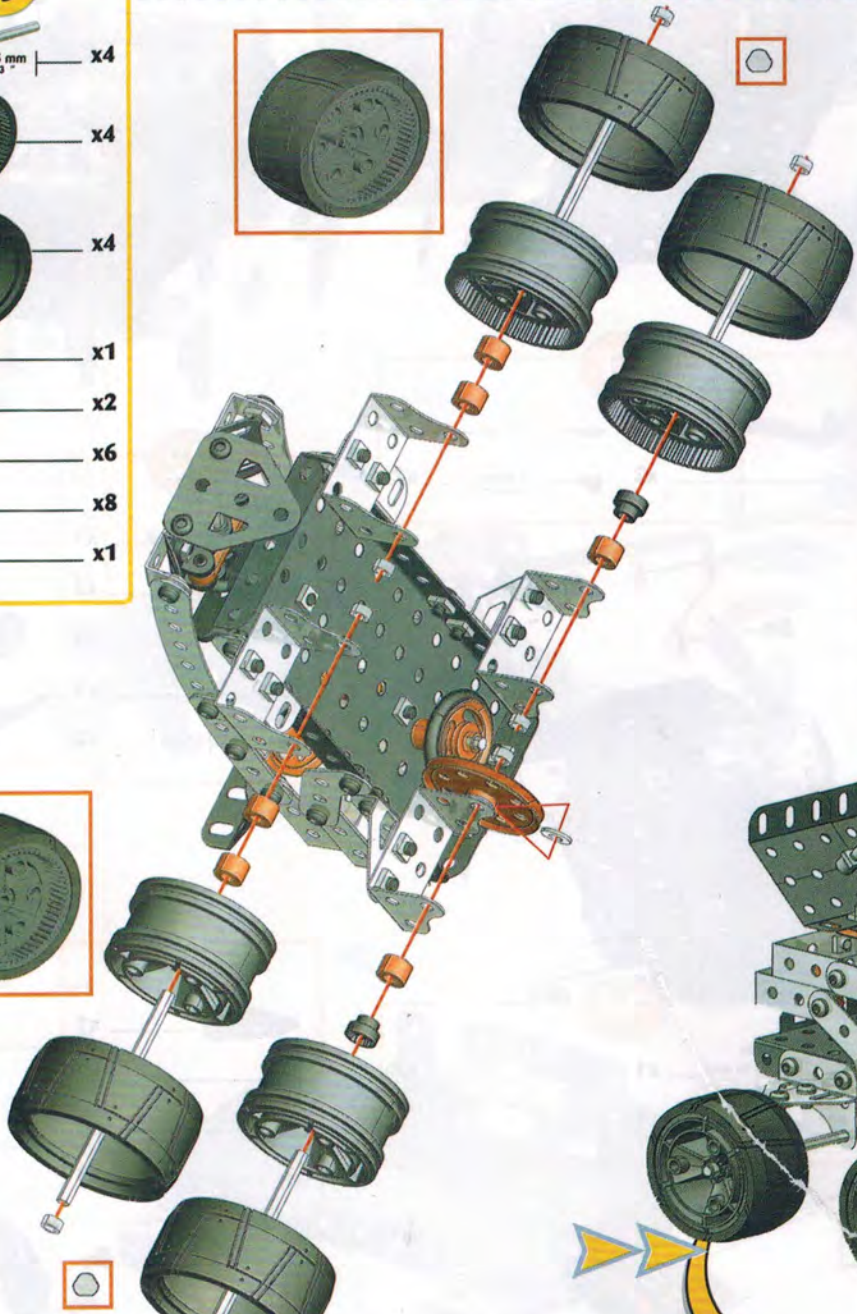
- 17**
- x2
 - x1
 - x1
 - x6
 - 23 mm 29/32"
 - x1
 - 9,5 mm 3/8"
 - x2



- 18**
- 75 mm 3"
 - x1
 - x1
 - x1
 - x1
 - x1



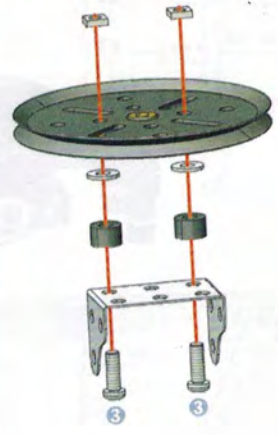
- 19**
- 75 mm 3"
 - x4
 - x4
 - x4
 - x1
 - x2
 - x6
 - x8
 - x1





2

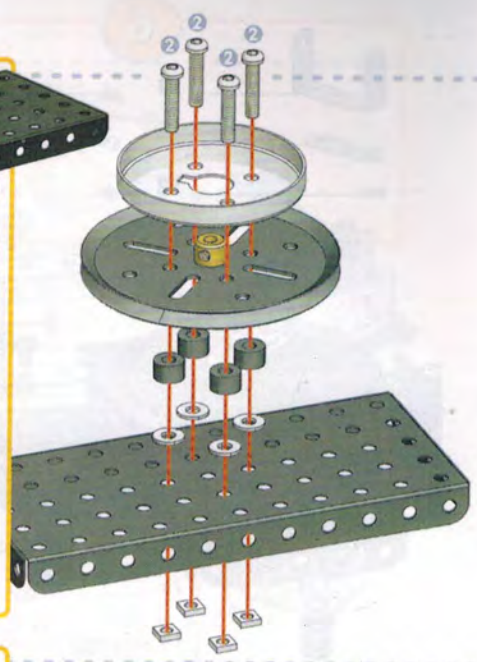
- x1
- x1
- x2
- x2
- x2
- x2
- x2
- 12 mm / 1/2" x2



3

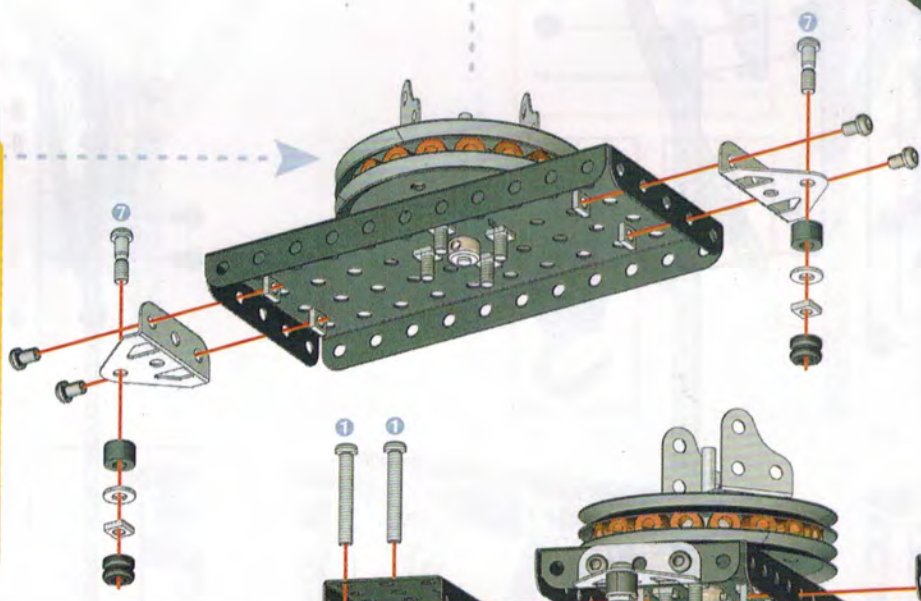
- 50 mm / 2" x1
- x19
- x1
- x1

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



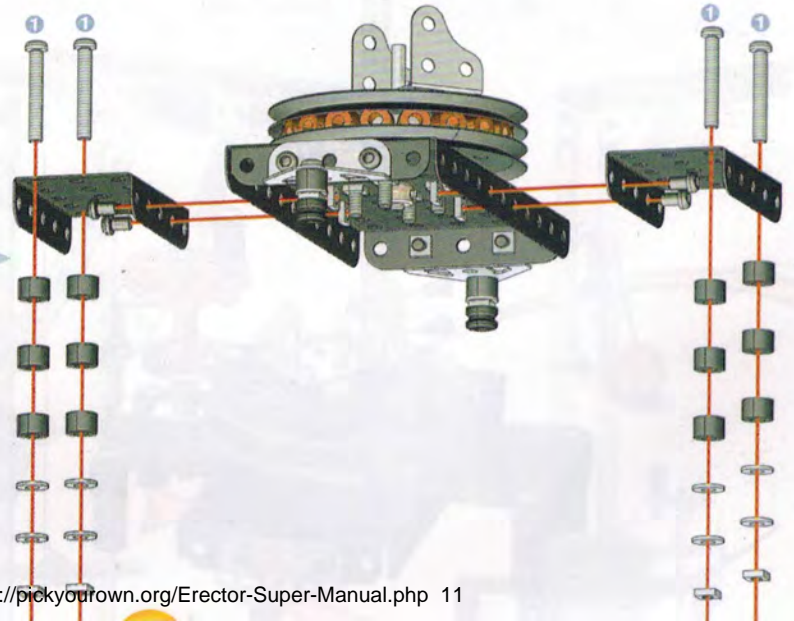
4

- x2
- x2
- x2
- x2
- x2
- x6
- 14,7 mm / 9/16" x2
- 5,8 mm / 1/8" x4

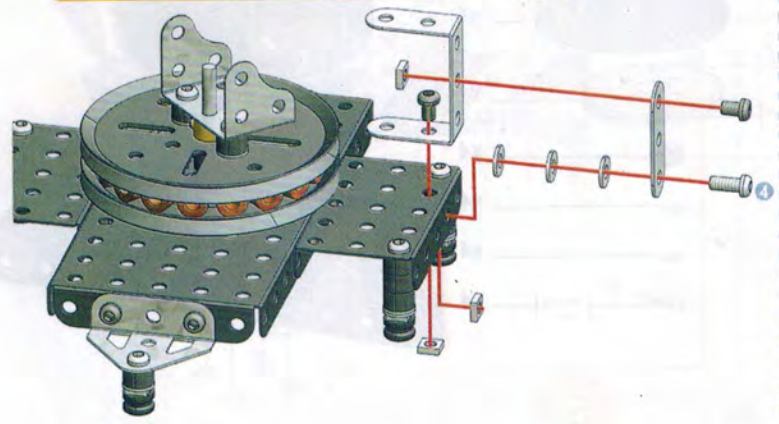


5

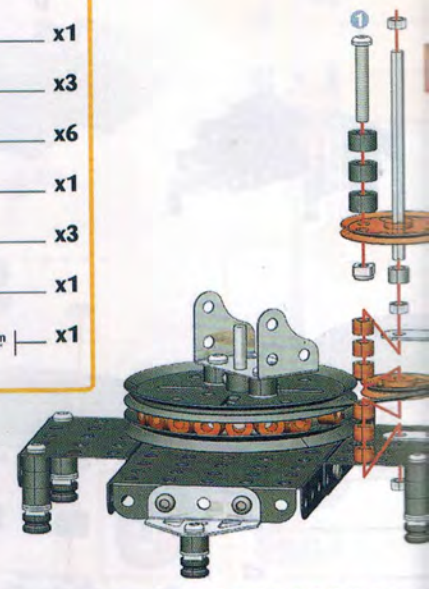
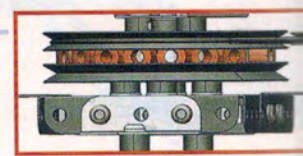
- x2
- x4
- x12
- x8
- x8
- 28 mm / 1 1/8" x4
- 5,8 mm x4



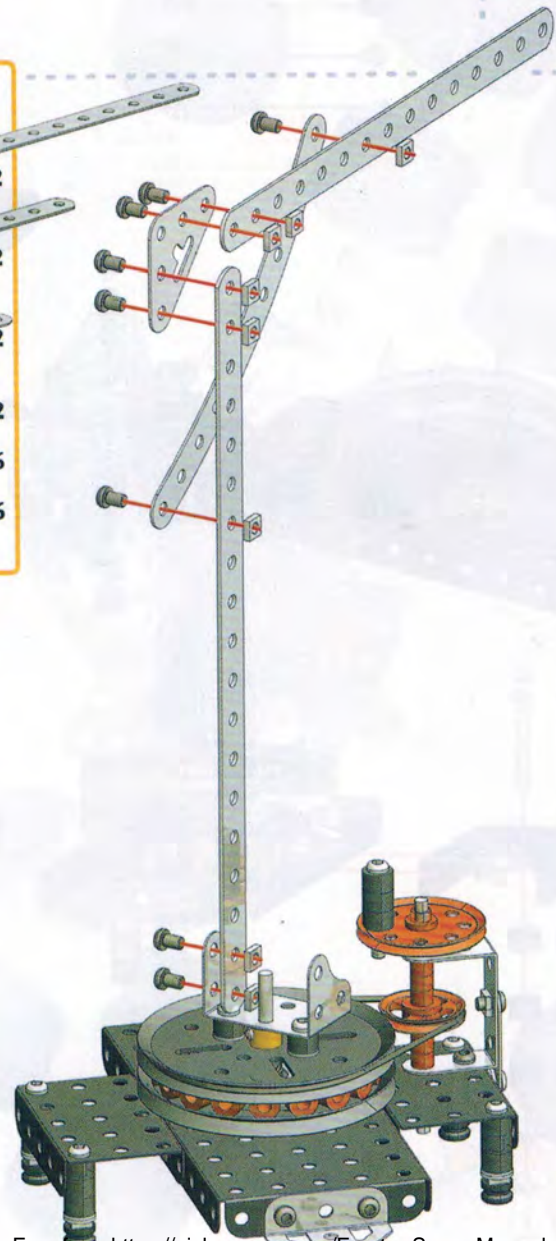
- 6**
- x1
 - x1
 - x3
 - x3
 - x1
 - x2



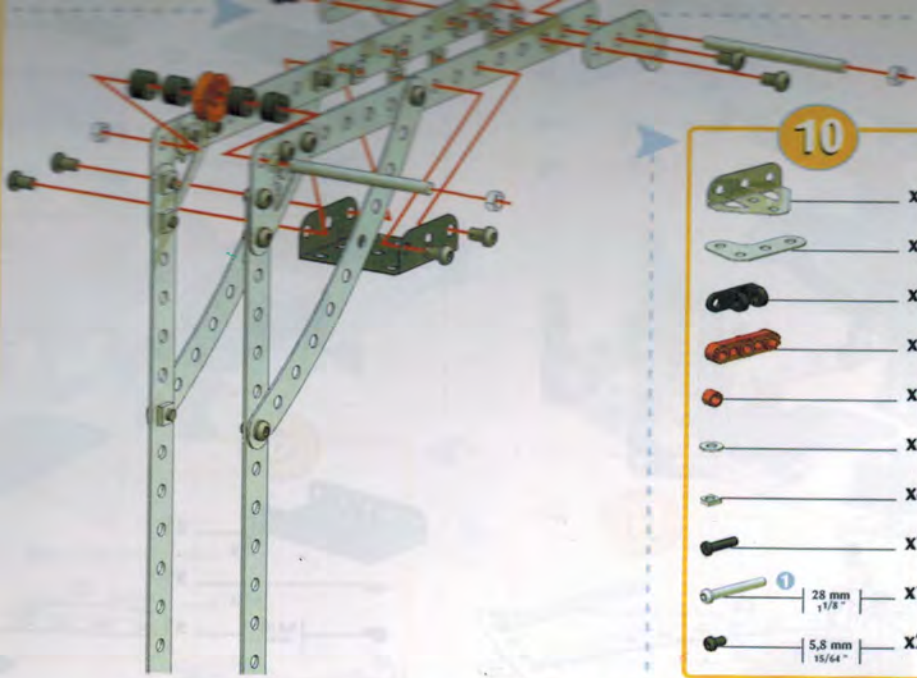
- 7**
- x1
 - x1
 - x1
 - x1
 - x3
 - x6
 - x1
 - x3
 - x1
 - x1



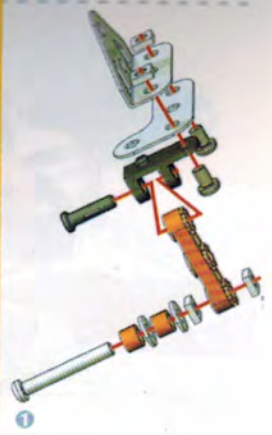
- 8**
- x2
 - x2
 - x2
 - x2
 - x16
 - x16



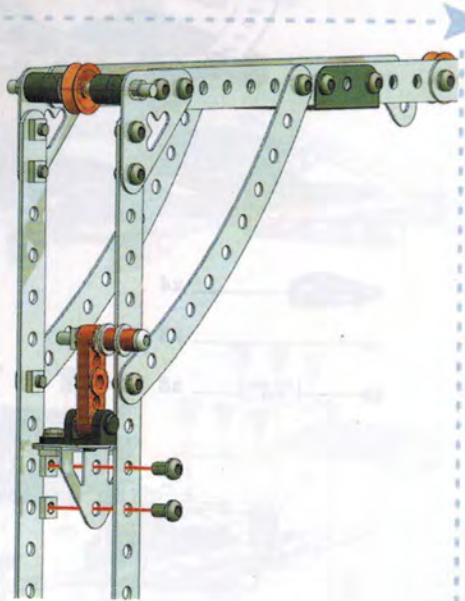
- x1
 - x2
 - x2
 - x2
 - x8
 - x4
 - x8
 - x8
- 5,8 mm
15/64"



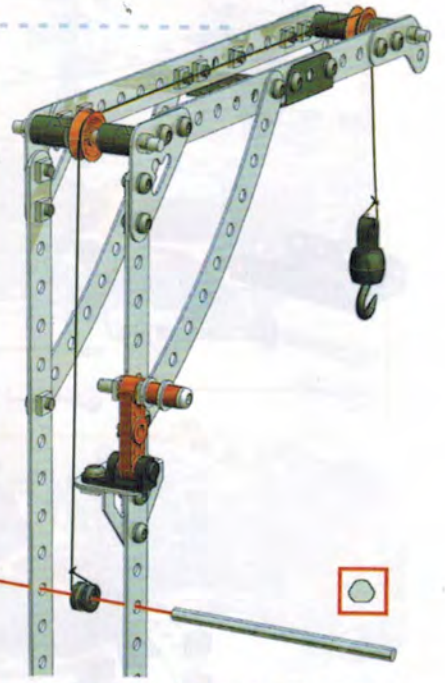
- 10**
- x1
 - x1
 - x1
 - x1
 - x2
 - x2
 - x4
 - x1
 - x1
 - x2
- 28 mm
1 1/8"
- 5,8 mm
15/64"



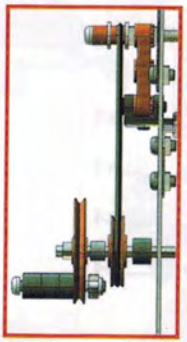
- 11**
- x2
 - x2
- 5,8 mm
15/64"

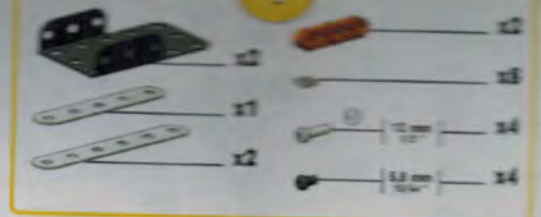


- 12**
- x1
 - x1
 - x1
 - x1
 - x1
- 75 mm
3"
- 2,25m
8 7/8"

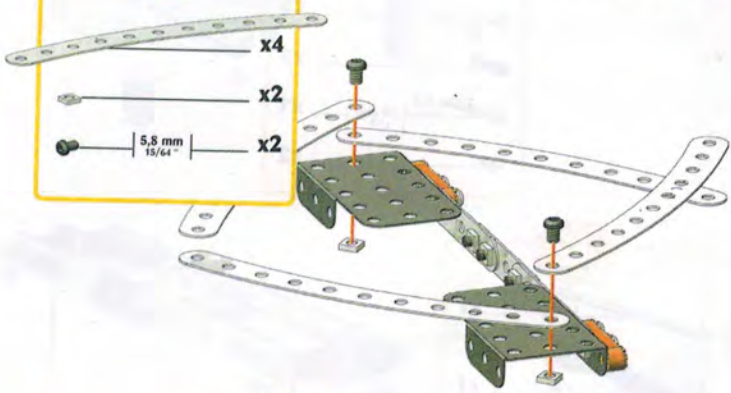


- 13**
- x1
 - x1
 - x1
 - x4
 - x1
 - x1
 - x1
 - x1
- 28 mm
1 1/8"

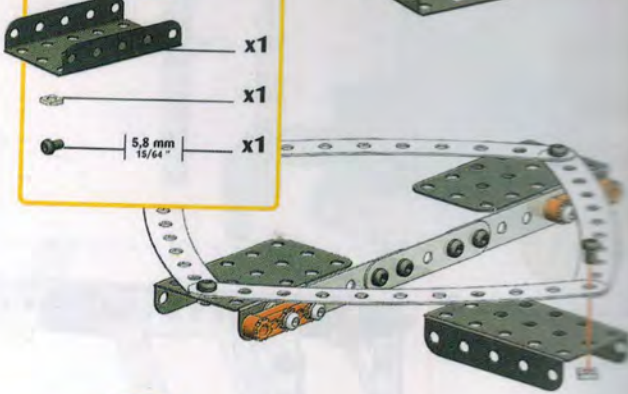




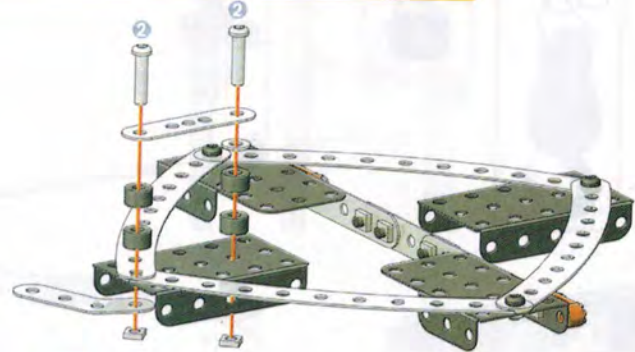
2



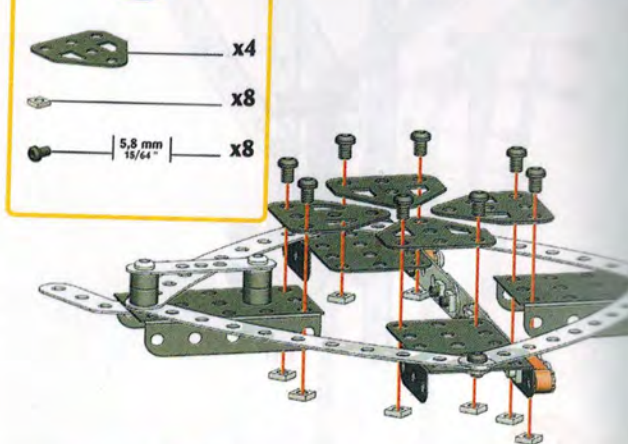
3



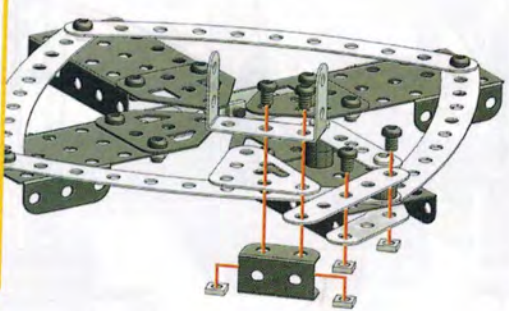
4



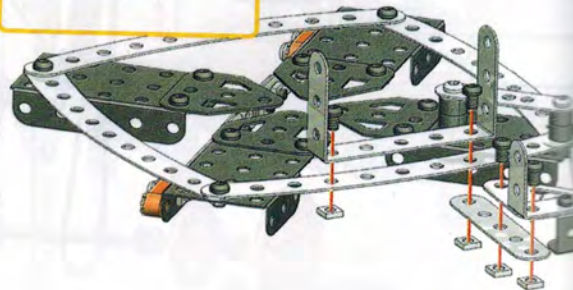
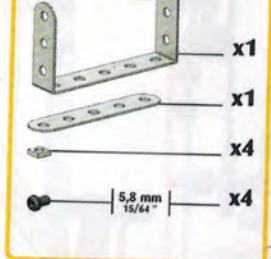
5



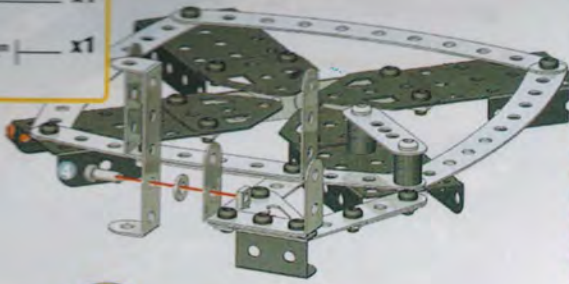
6



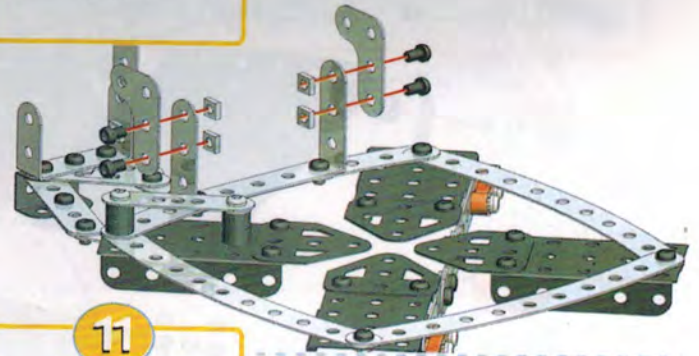
7



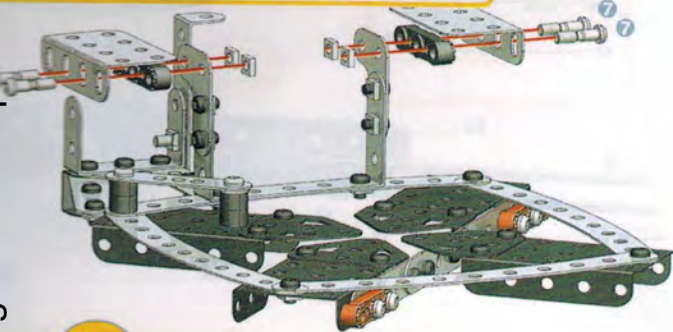
- x1
- x1
- x1
- x1



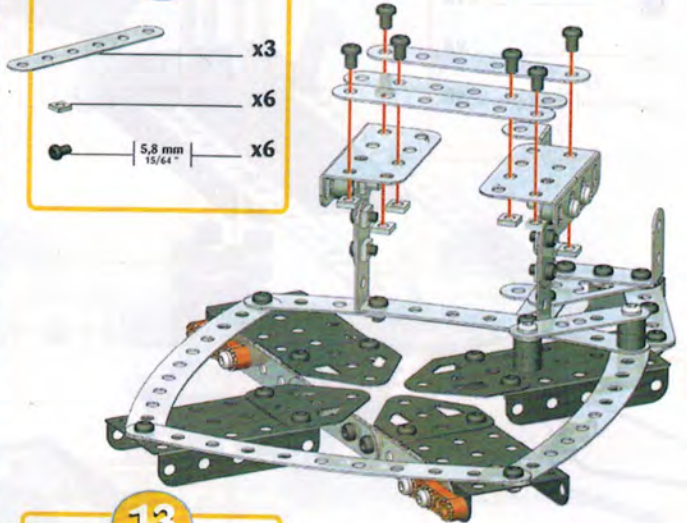
- x2
- x4
- x4



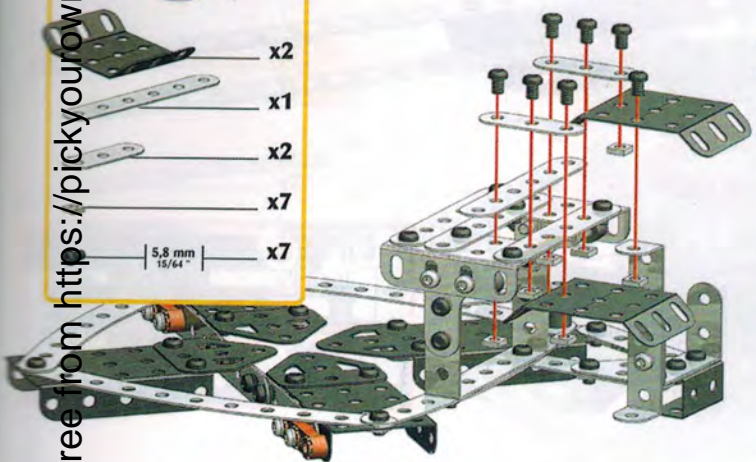
- x2
- x2
- x4
- x4



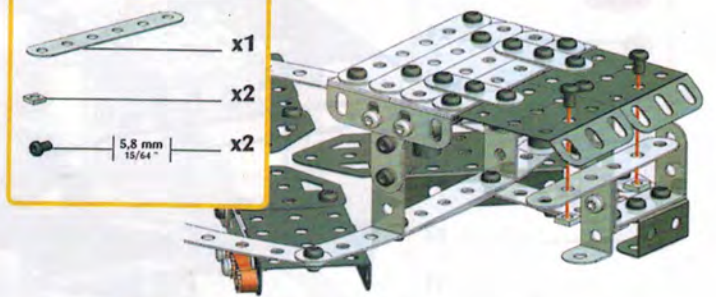
- x3
- x6
- x6



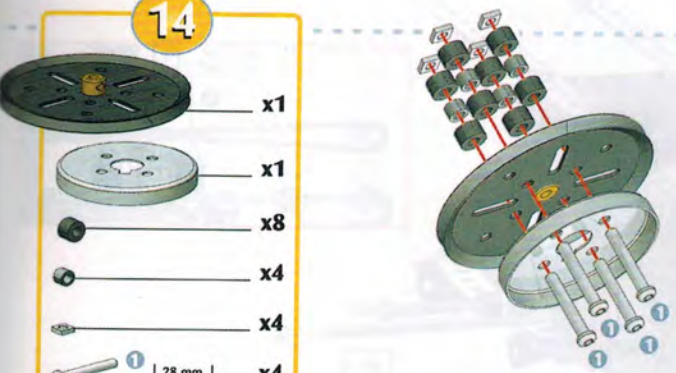
- x2
- x1
- x2
- x7
- x7



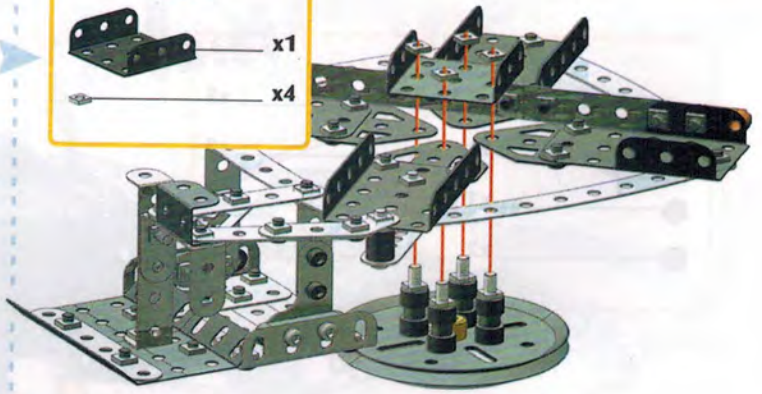
- x1
- x2
- x2



- x1
- x1
- x8
- x4
- x4
- x4



- x1
- x4

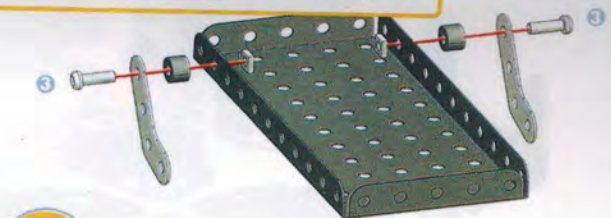


17

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

17

- x2
- x4
- 5.8 mm / 1/4"
- x4

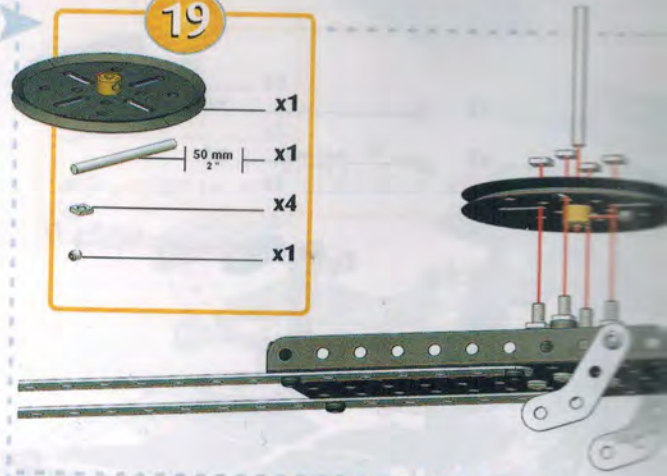
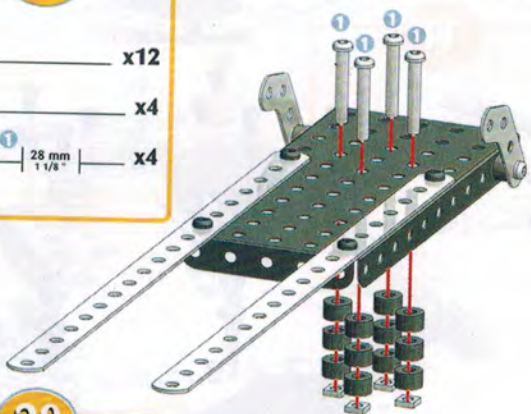


18

- x12
- x4
- 28 mm / 1 1/8"
- x4

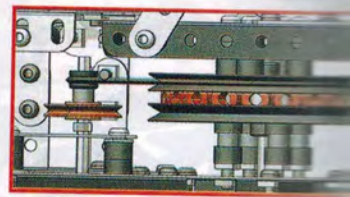
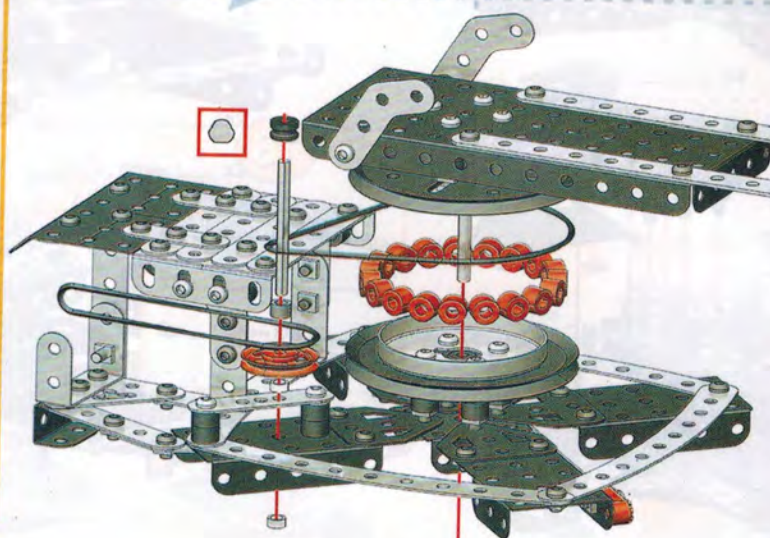
19

- x1
- 50 mm / 2"
- x4
- x1



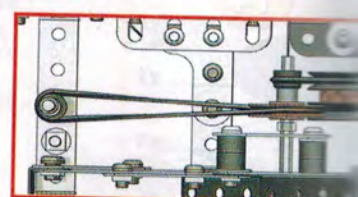
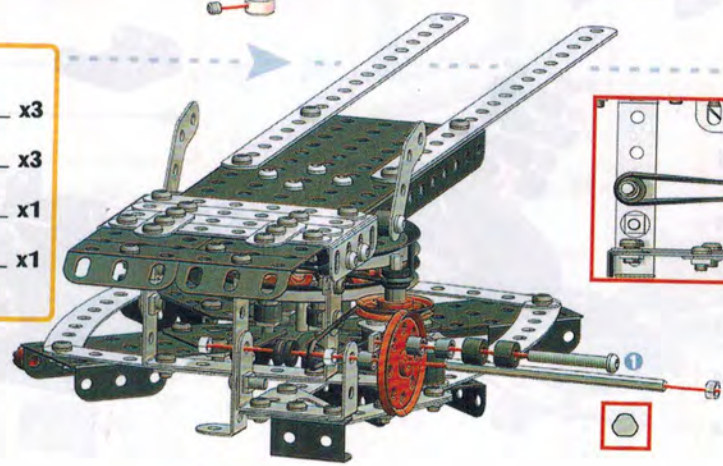
20

- x2
- 50 mm / 2"
- x1
- x1
- x19
- x1
- x1
- x2
- x1



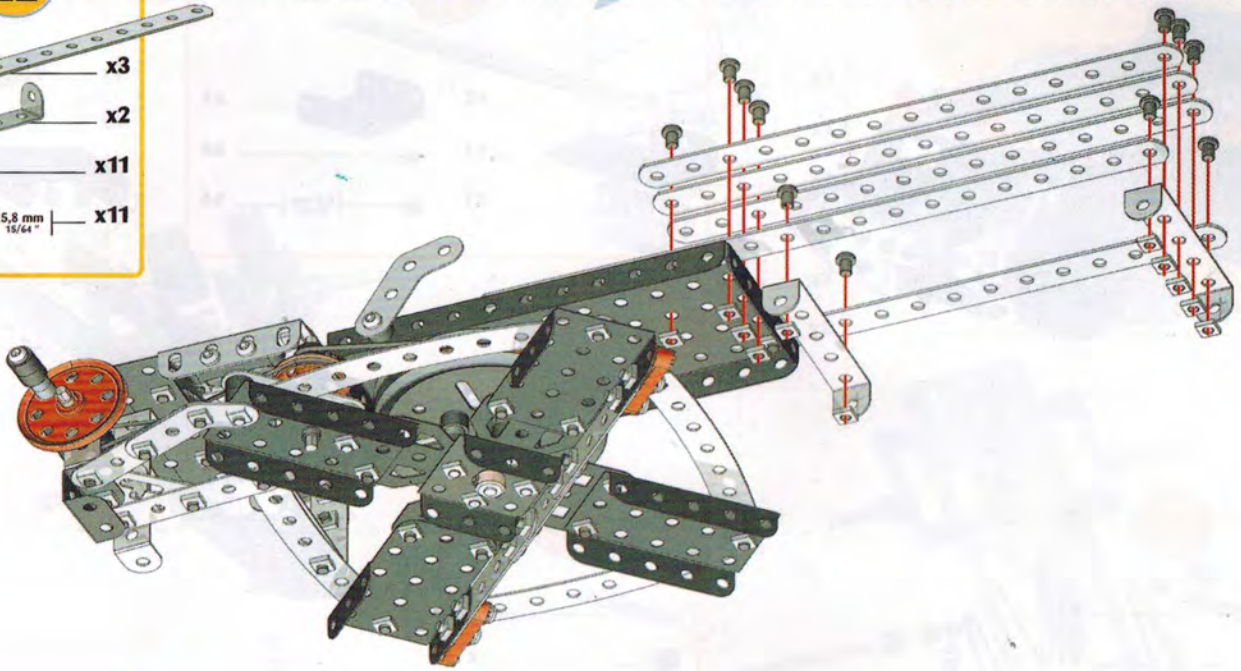
21

- 75 mm / 3"
- x1
- x3
- x1
- x3
- x1
- x1
- x2
- 28 mm / 1 1/8"
- x1



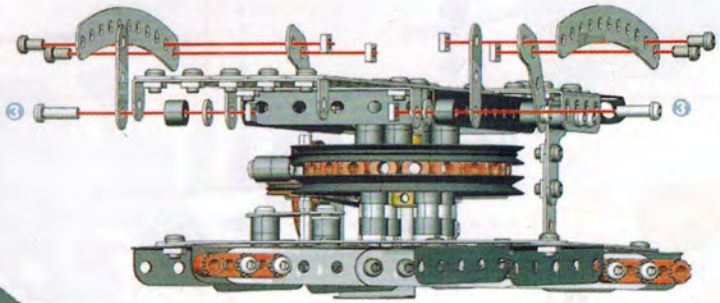
22

- x3
- x2
- x11
- 5,8 mm 15/64" x11



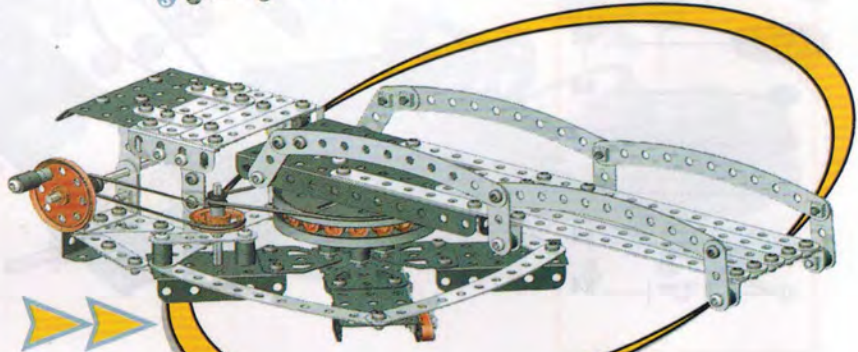
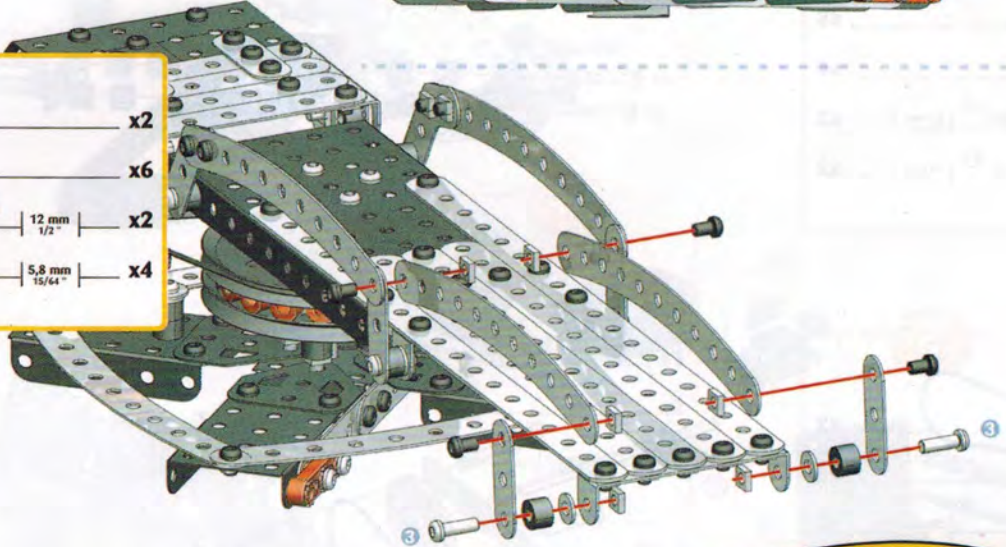
23

- x2
- x2
- x2
- x2
- x2
- x6
- 12 mm 1/2" x2
- 5,8 mm 15/64" x4



24

- x2
- x2
- x2
- x2
- x6
- 12 mm 1/2" x2
- 5,8 mm 15/64" x4





1

- Technic Beam 1x15 (grey) x2
- Technic L-Bracket 1x2 (black) x1
- Technic L-Bracket 1x3 (black) x1
- Technic L-Bracket 1x4 (black) x1
- Technic Pin (grey) x4
- Technic Pin (black) x4
- Technic Pin (grey) 5.8 mm / 15/64" x4

2

- Technic Beam 1x5 (grey) x1
- Technic Pin (black) x1
- Technic Pin (grey) x1
- Technic Pin (grey) x1
- Technic Pin (grey) x1
- Technic Pin (grey) 28 mm / 1 1/8" x1

3

- Technic Beam 1x5 (grey) x1
- Technic Pin (black) x1
- Technic Pin (grey) x1
- Technic Pin (grey) x1
- Technic Pin (grey) x1
- Technic Pin (grey) 28 mm / 1 1/8" x1



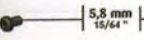
4

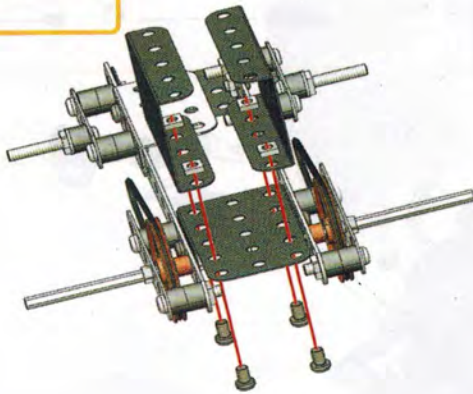
- Technic Pin (black) x8
- Technic Pin (grey) x4
- Technic Pin (grey) 23 mm / 29/32" x2
- Technic Pin (grey) 19 mm / 3/4" x2

5







- Technic Rubber Band x2
- Technic Beam 1x5 (grey) x2
- Technic Beam 1x7 (grey) x2
- Technic Pin (grey) 75 mm / 3" x2
- Technic Pulley (orange) x2
- Technic Pin (black) x8
- Technic Pin (red) x2
- Technic Pin (grey) x4
- Technic Pin (grey) x4
- Technic Pin (grey) 19 mm / 3/4" x4

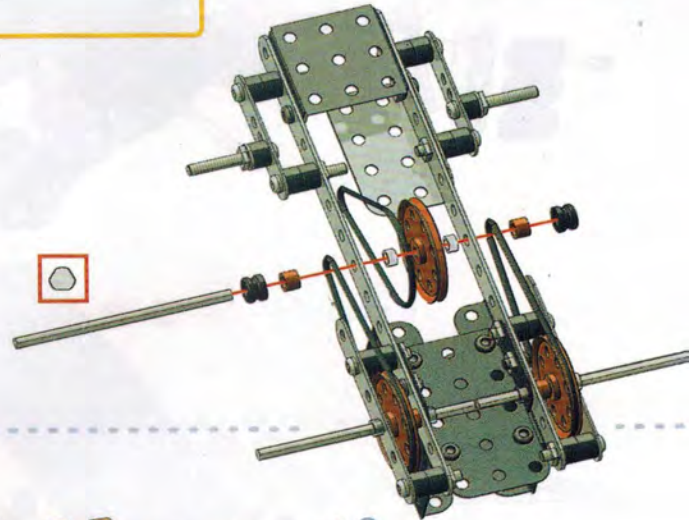
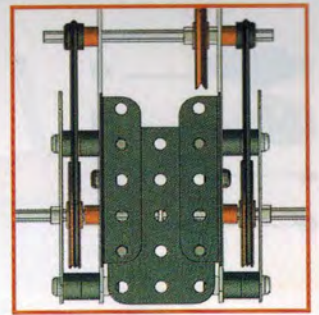
6

-  x2
-  x4
-  x4









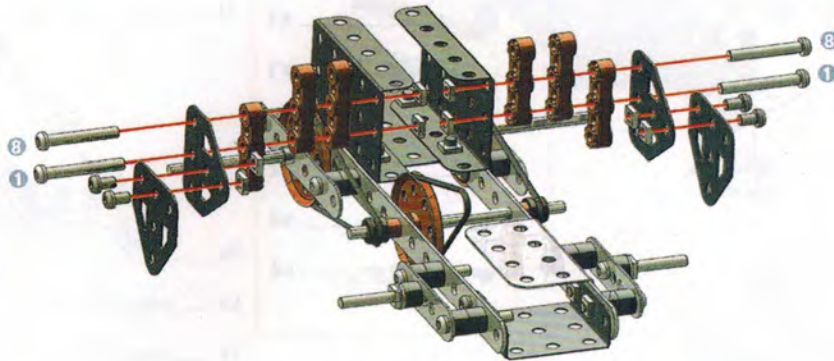
7

-  x1
-  x1
-  x1
-  x2
-  x2
-  x2










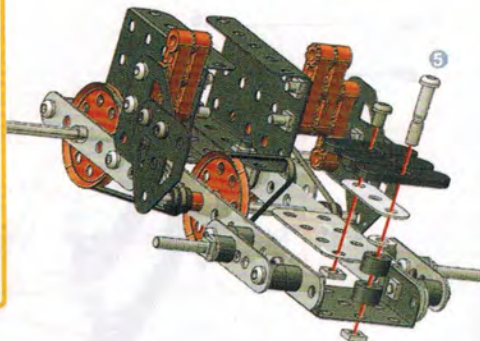
8

-  x4
-  x6
-  x8
-  x2
-  x2
-  x4



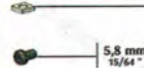


9

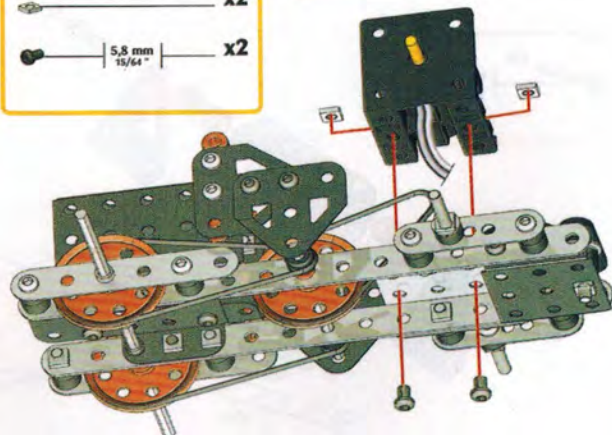
-  x1
-  x1
-  x2
-  x1
-  x2
-  x1
-  x1



10

-  x1
-  x2
-  x2

5



19

11

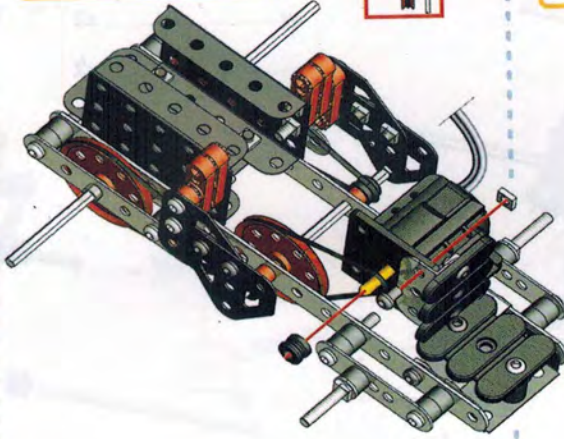
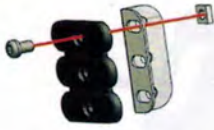
- x1 [Black bush]
- x1 [Grey L-shaped plate]
- x1 [Grey axle]
- x1 [5,8 mm 15/64" Pin]

12

- x1 [Black bush]
- x1 [Grey axle]
- x1 [5,8 mm 15/64" Pin]

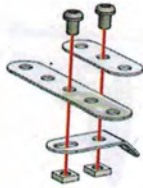
13

- x1 [50 mm 2" Axle]
- x1 [Grey L-shaped plate]
- x1 [Black bush]
- x1 [5,8 mm 15/64" Pin]
- x1 [Grey axle]
- x1 [Black bush]
- x1 [5,8 mm 15/64" Pin]



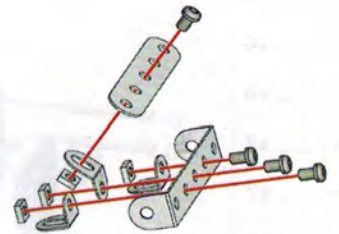
14

- x1 [Grey L-shaped plate]
- x1 [Grey L-shaped plate]
- x1 [Grey L-shaped plate]
- x2 [Grey axle]
- x2 [5,8 mm 15/64" Pin]



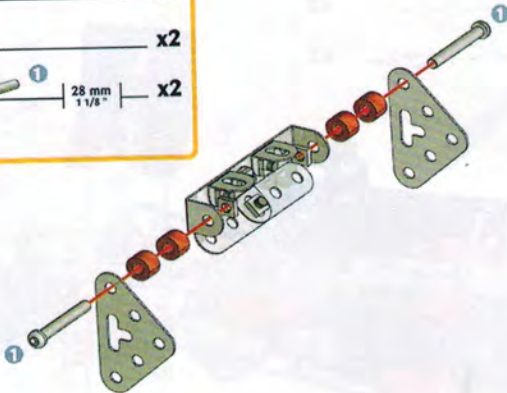
15

- x1 [Grey L-shaped plate]
- x1 [Grey L-shaped plate]
- x1 [Grey L-shaped plate]
- x2 [Grey axle]
- x4 [Grey axle]
- x4 [5,8 mm 15/64" Pin]



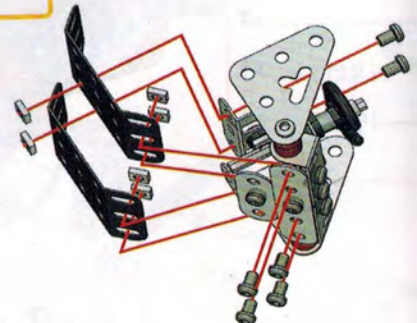
16

- x2 [Grey L-shaped plate]
- x4 [Black bush]
- x2 [Grey axle]
- x2 [28 mm 1 1/8" Axle]


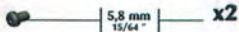


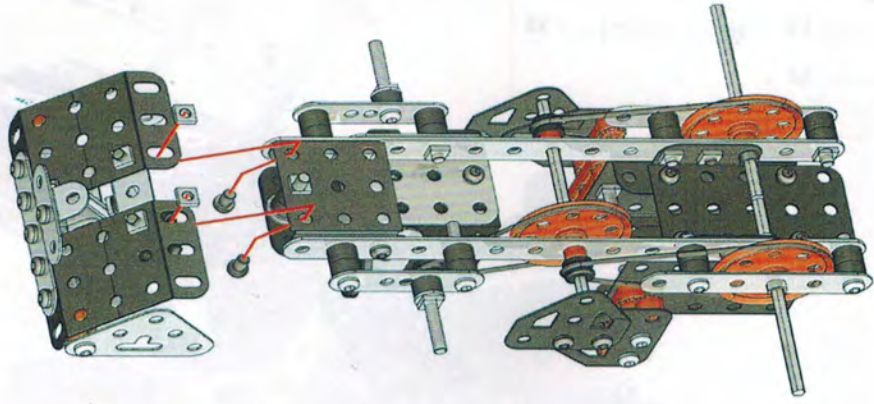
17

- x2 [Grey L-shaped plate]
- x6 [Grey axle]
- x6 [5,8 mm 15/64" Pin]




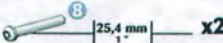

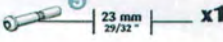

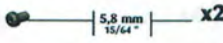



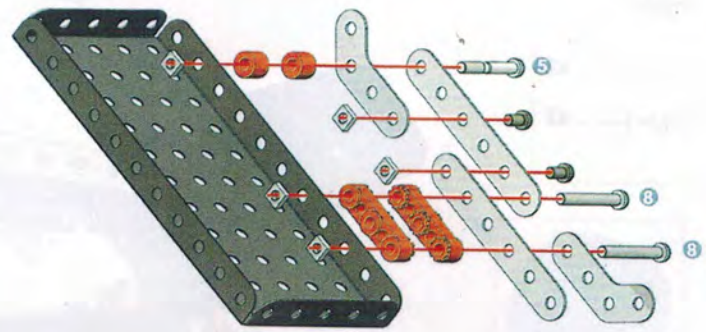
18

-  x2
-  x2




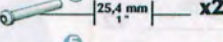


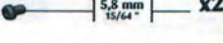


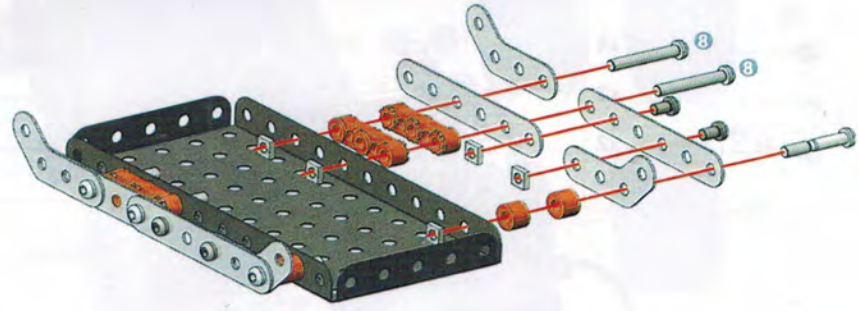
19

-  x1
-  x5
-  x2
-  x2
-  x2
-  x1
-  x2
-  x2
-  x2






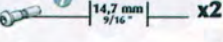

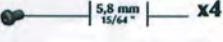


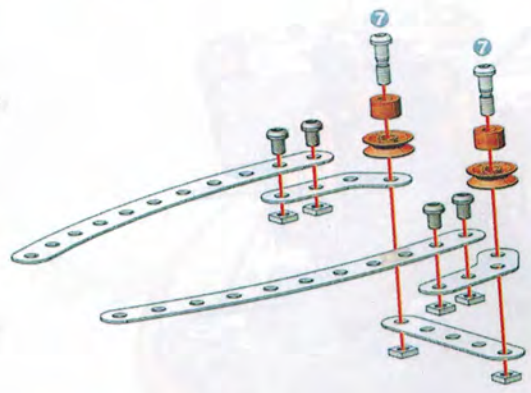
20

-  x2
-  x5
-  x2
-  x2
-  x2
-  x1
-  x2
-  x2



21

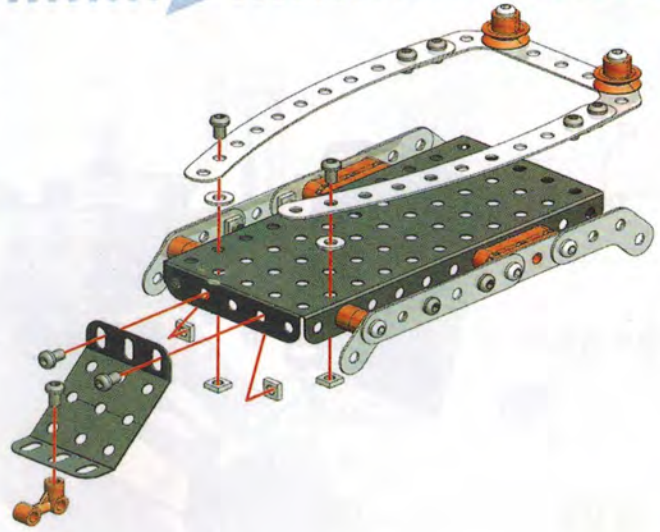
-  x2
-  x2
-  x1
-  x6
-  x2
-  x2
-  x2
-  x4



21

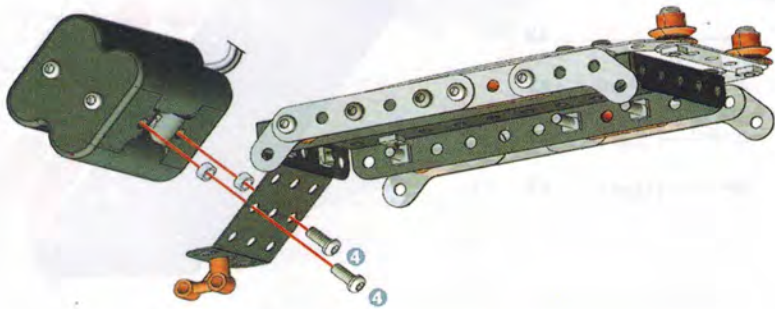
22

- x1 [Image of dark grey Technic plate]
- x1 [Image of orange Technic bush]
- x2 [Image of grey Technic axle]
- x4 [Image of grey Technic axle]
- x5 [Image of grey Technic axle, 5.8 mm / 15/64"]



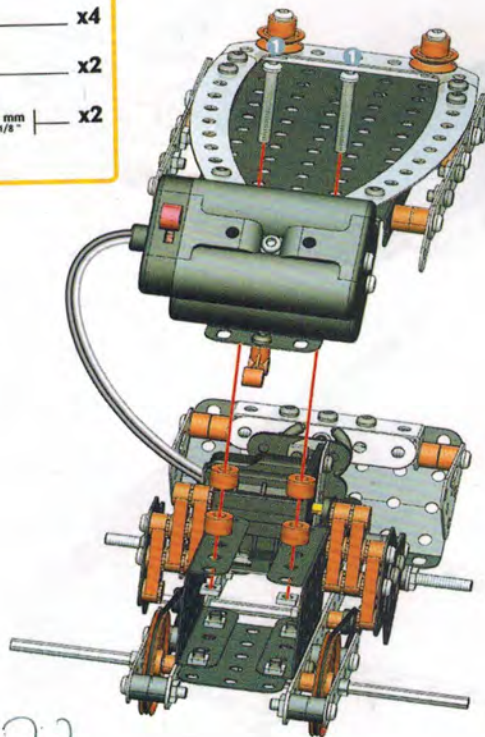
23

- x2 [Image of grey Technic axle]
- x2 [Image of grey Technic axle, 9.5 mm / 3/8"]



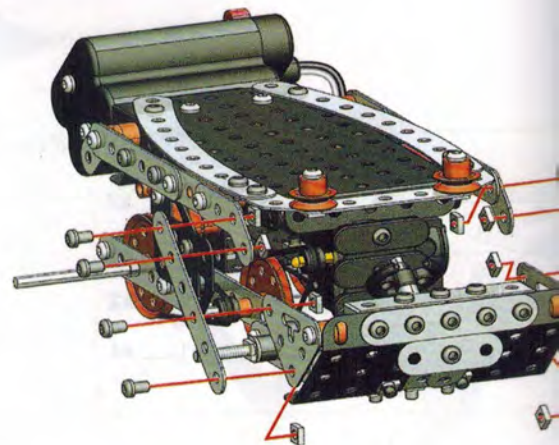
24

- x4 [Image of red Technic axle]
- x2 [Image of grey Technic axle]
- x2 [Image of grey Technic axle, 28 mm / 1 1/8"]







25

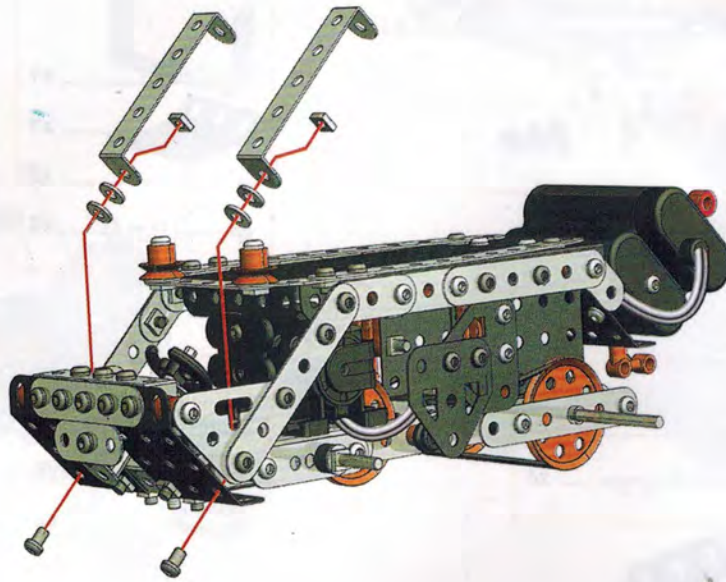
- x2 [Image of grey Technic plate]
- x8 [Image of grey Technic axle]
- x8 [Image of grey Technic axle, 5.8 mm / 15/64"]









12
22

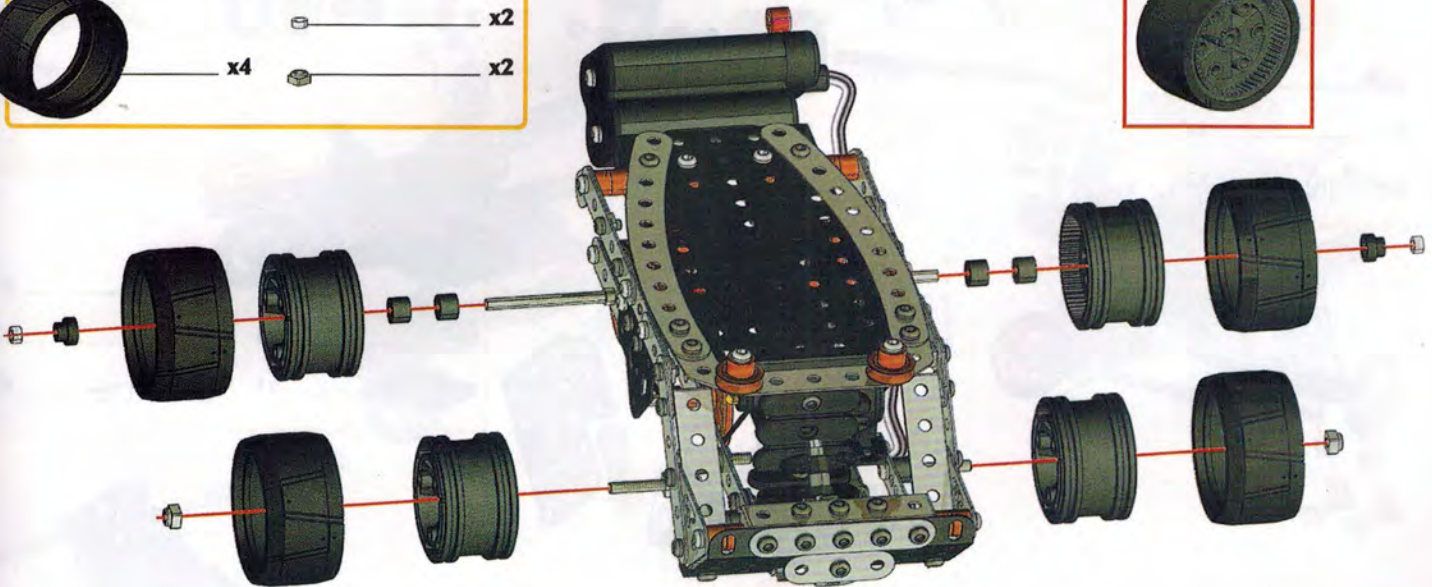
26

-  x2
-  x4
-  x2
-  5,8 mm 15/64" x2

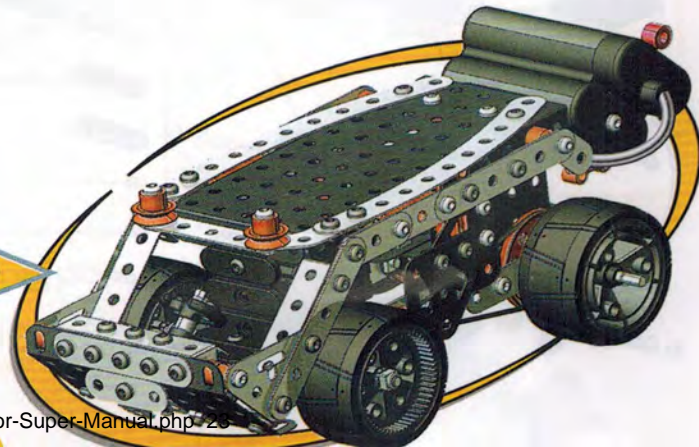


27

-  x4
-  x2
-  x4
-  x2
-  x2
-  x4



23





1

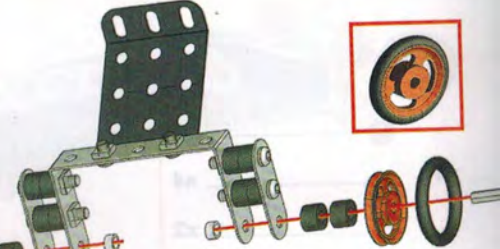
- x1
- x1
- x2
- x2

2

- x2
- x4
- x4
- x8

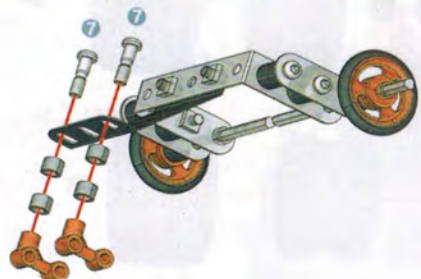
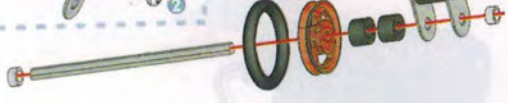
3

- x2
- x2
- x2



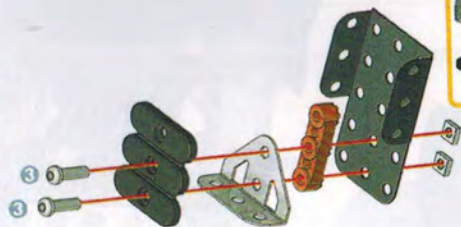
4

- x2
- x4
- x2



5

- x1
- x1
- x1



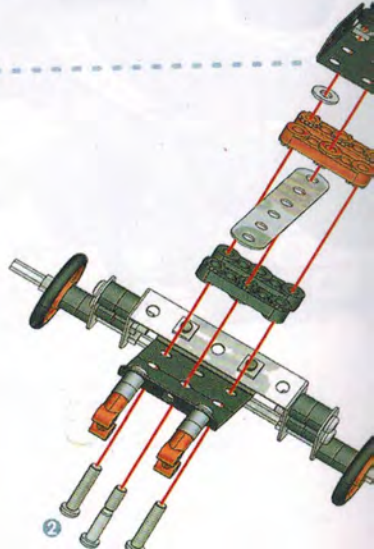
6

- x1
- x1
- x1
- x1










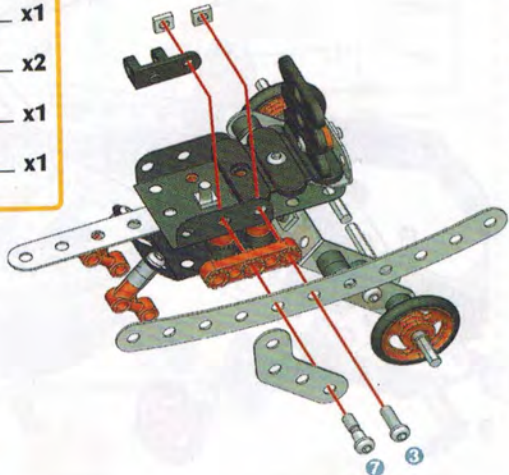
7

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







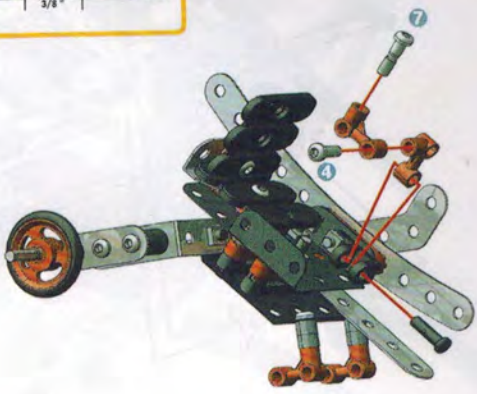
3

-  x1
-  x1
-  x1
-  x1
-  x2
-  7 | 14,7 mm | 9/16" x1
-  3 | 12 mm | 1/2" x1








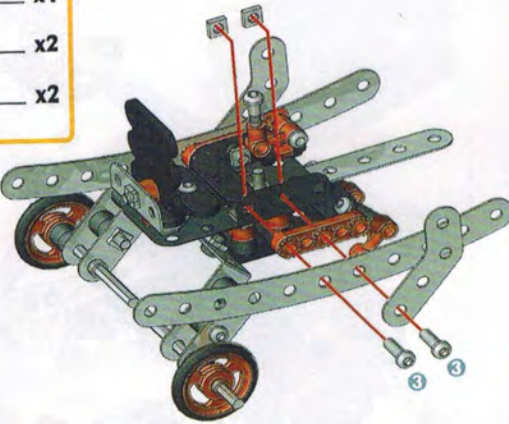
9

-  x2
-  x1
-  7 | 14,7 mm | 9/16" x1
-  4 | 9,5 mm | 3/8" x1







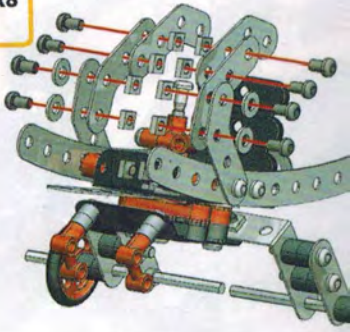
10

-  x1
-  x1
-  x1
-  x2
-  3 | 12 mm | 1/2" x2




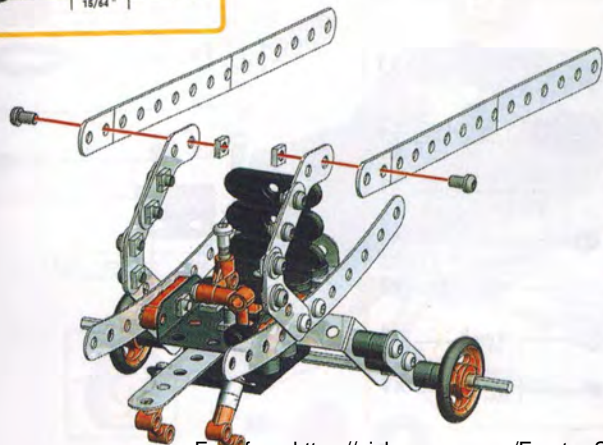
11

-  x4
-  x4
-  x8
-  5,8 mm | 15/64" x8







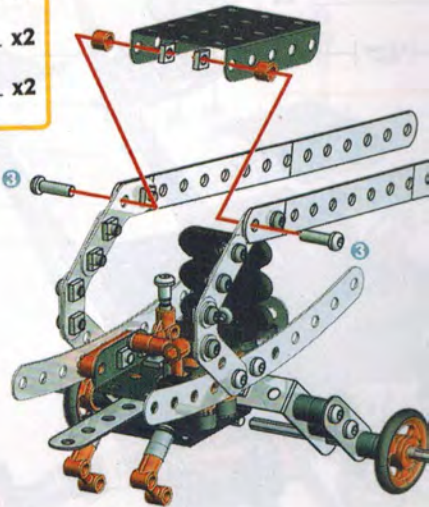
12

-  x2
-  x2
-  5,8 mm | 15/64" x2



13

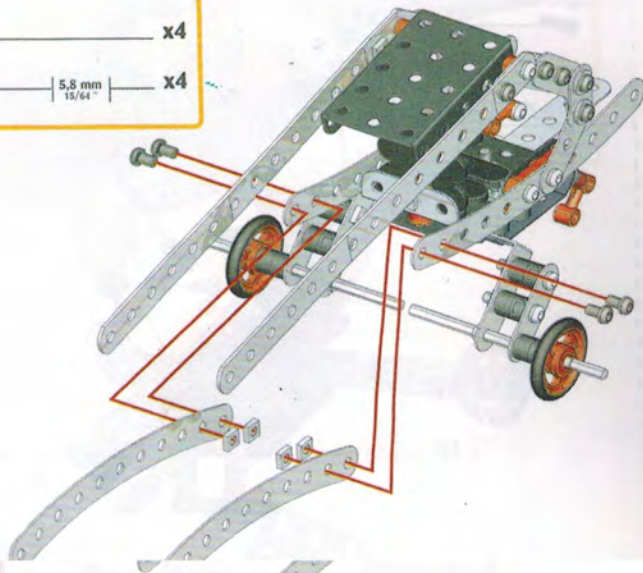
-  x1
-  x2
-  x2
-  3 | 12 mm | 1/2" x2



25

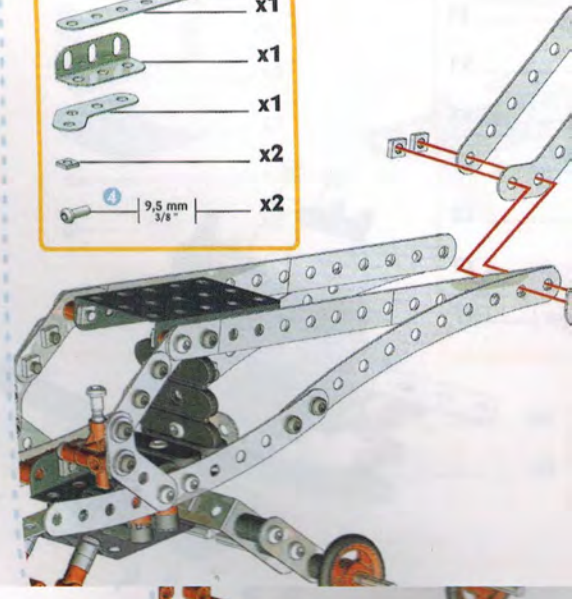
14

- x2
- x4
- 5,8 mm 15/64" x4



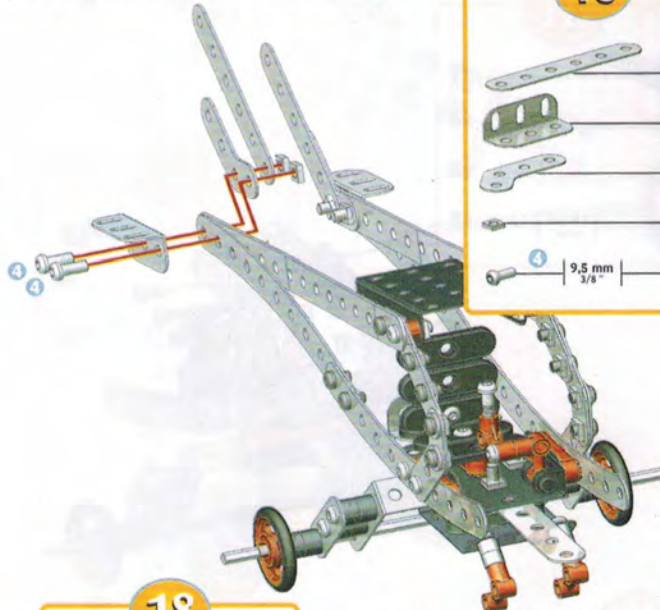
15

- x1
- x1
- x1
- x2
- 9,5 mm 3/8" x2



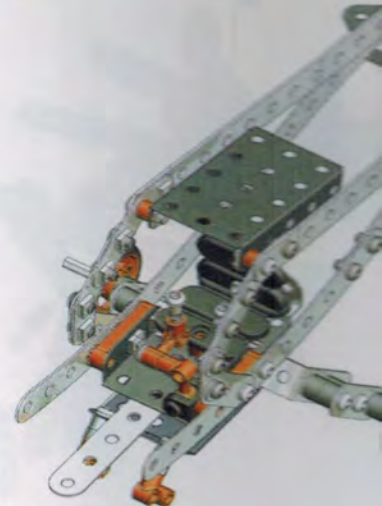
16

- x1
- x1
- x1
- x2
- 9,5 mm 3/8" x2



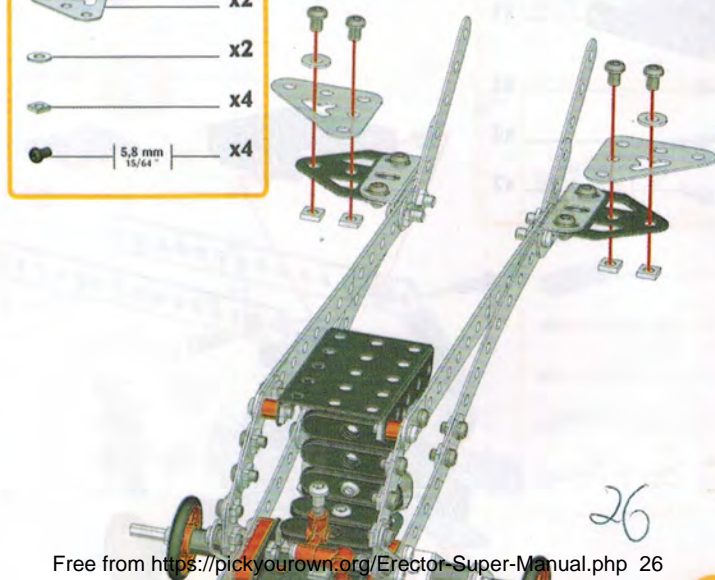
17

- x2
- x4
- 5,8 mm 15/64" x4



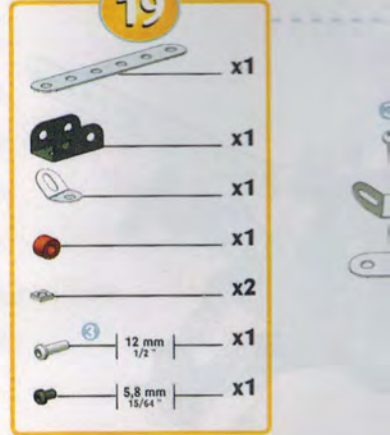
18

- x2
- x2
- x4
- 5,8 mm 15/64" x4



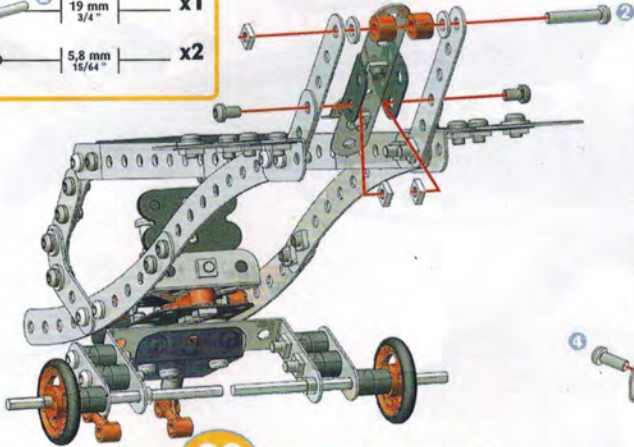
19






- x1
- x1
- x1
- x2
- 12 mm 1/2" x1
- 5,8 mm 15/64" x1

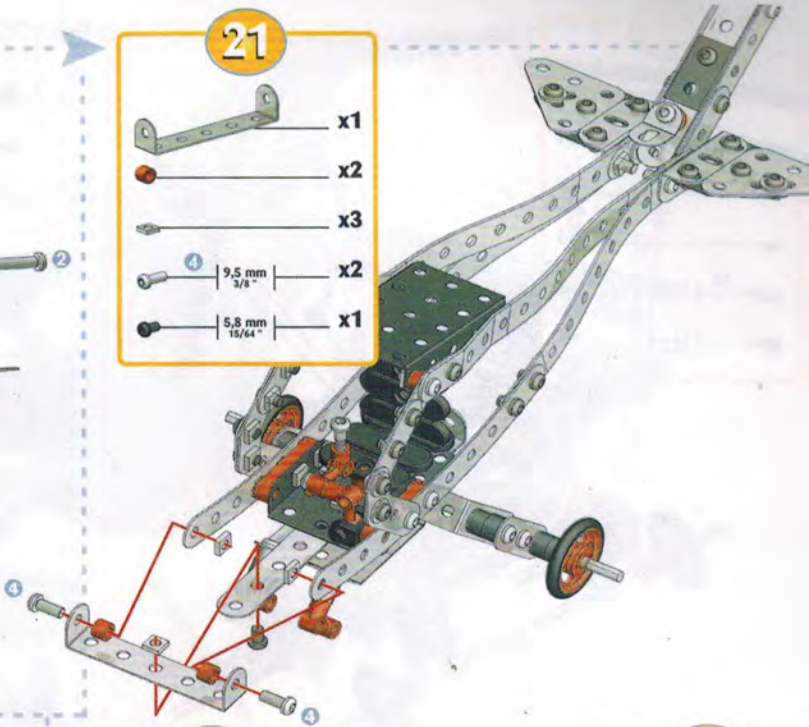


26

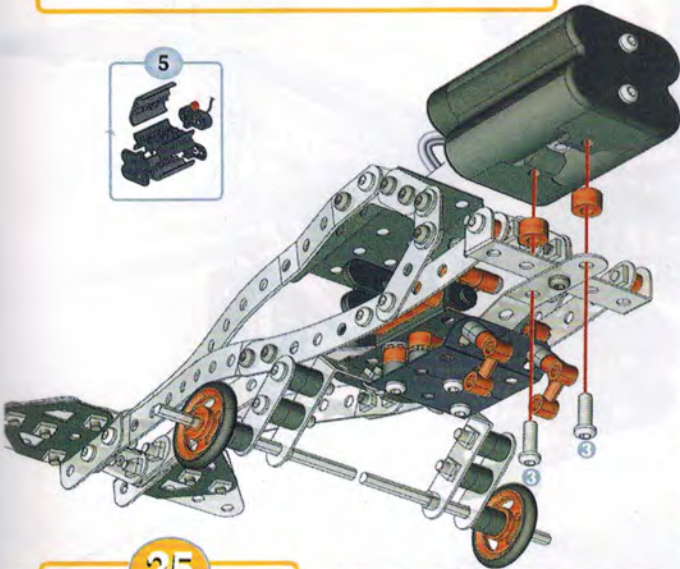
- 20**
-  x2
 -  x2
 -  x3
 -  19 mm $\frac{3}{4}$ " x1
 -  5,8 mm $\frac{15}{64}$ " x2



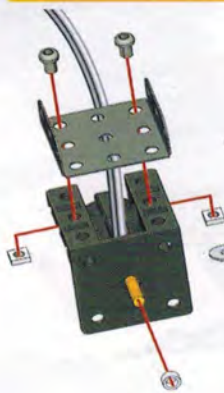
- 21**
-  x1
 -  x2
 -  x3
 -  9,5 mm $\frac{3}{8}$ " x2
 -  5,8 mm $\frac{15}{64}$ " x1





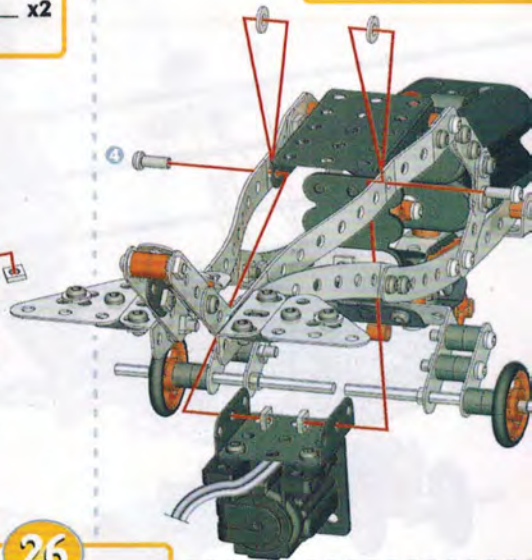
- 22**
-  x1
 -  x2
 -  12 mm $\frac{1}{2}$ " x2



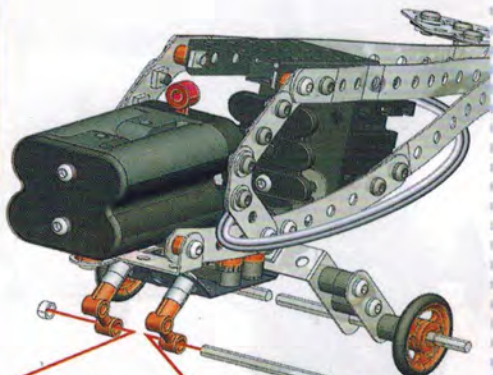
- 23**
-  x1
 -  x1
 -  x2
 -  5,8 mm $\frac{15}{64}$ " x2



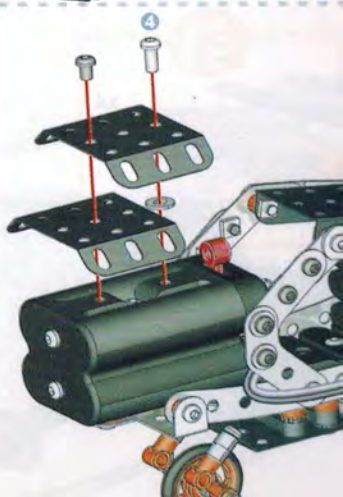
- 24**
-  x1
 -  x1
 -  9,5 mm $\frac{3}{8}$ " x1



- 25**
-  50 mm x1
 -  x1
 -  x1
 -  x2
 -  5,8 mm x2



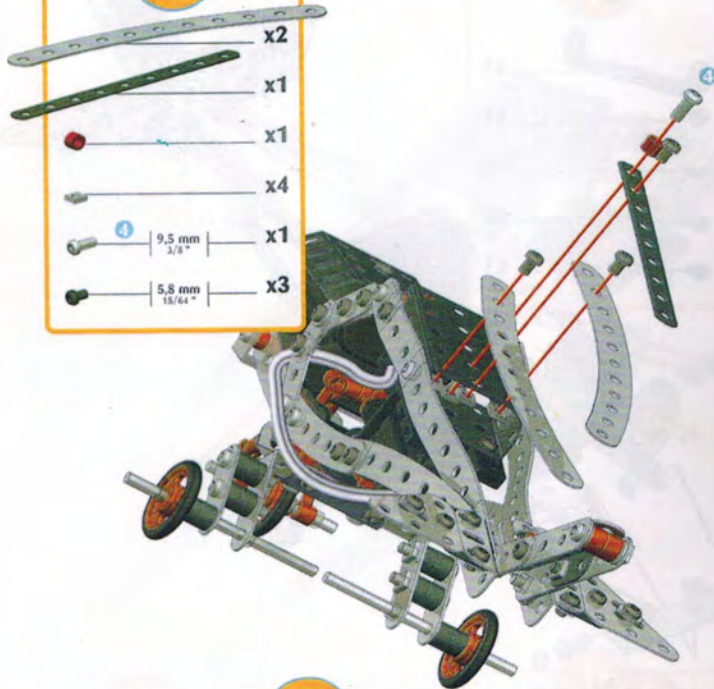
- 26**
-  x2
 -  x1
 -  9,5 mm $\frac{3}{8}$ " x1
 -  5,8 mm $\frac{15}{64}$ " x1



27

27

- x2
- x1
- x1
- x4
- x1
- x3



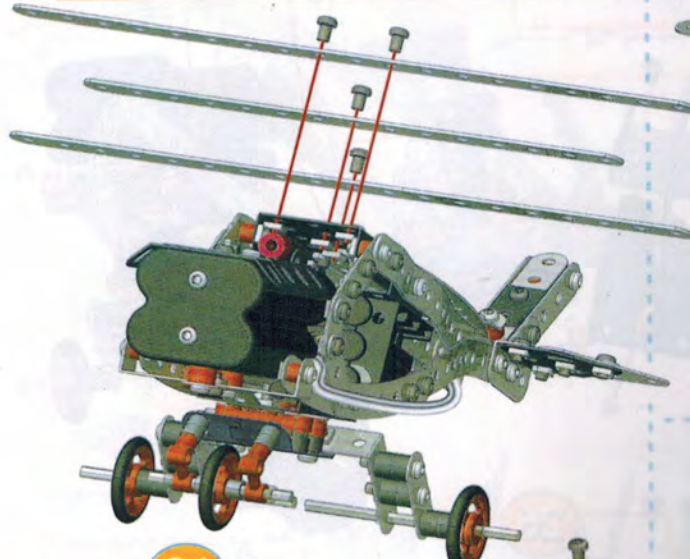
28

- x1
- x1
- x1



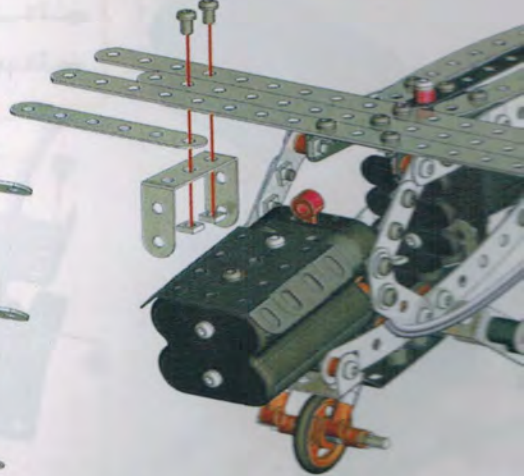
29

- x2
- x1
- x4
- x4



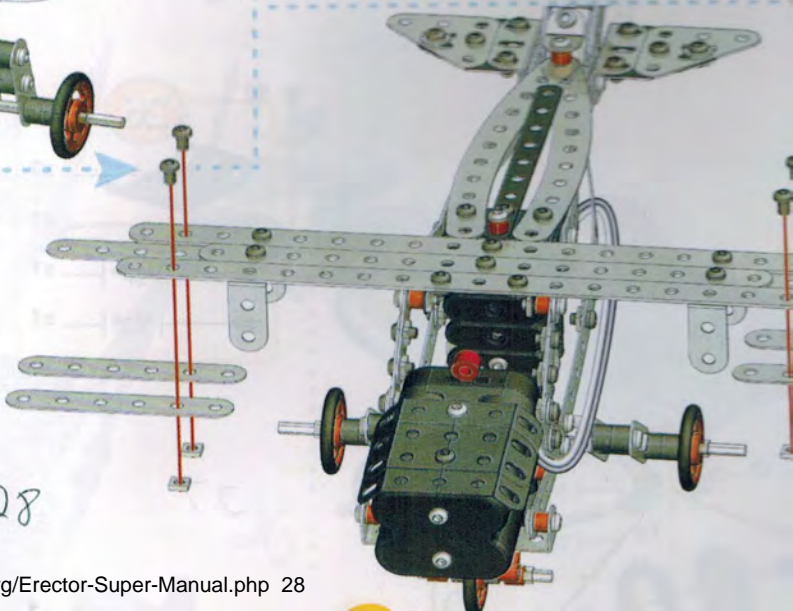
30

- x2
- x2
- x4
- x4






31

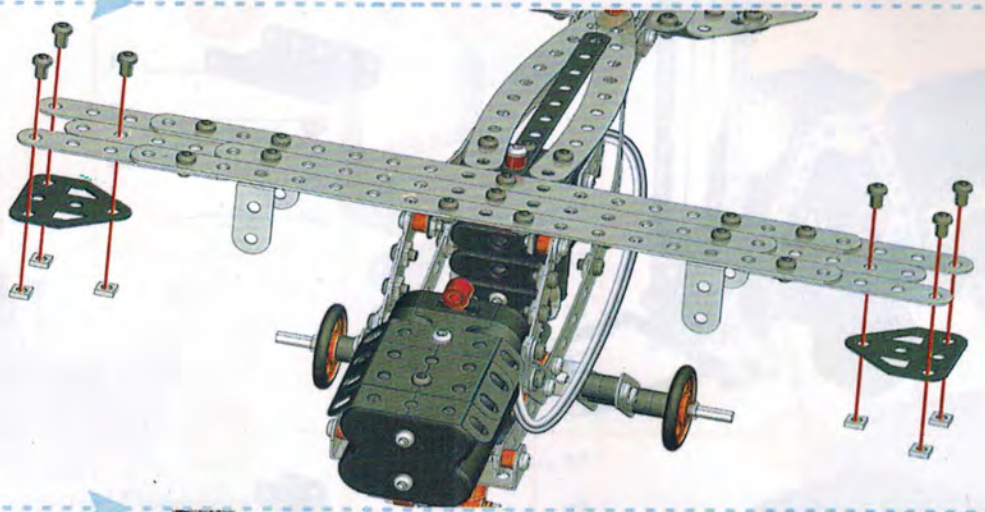
- x4
- x4
- x4



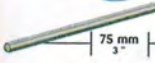






28

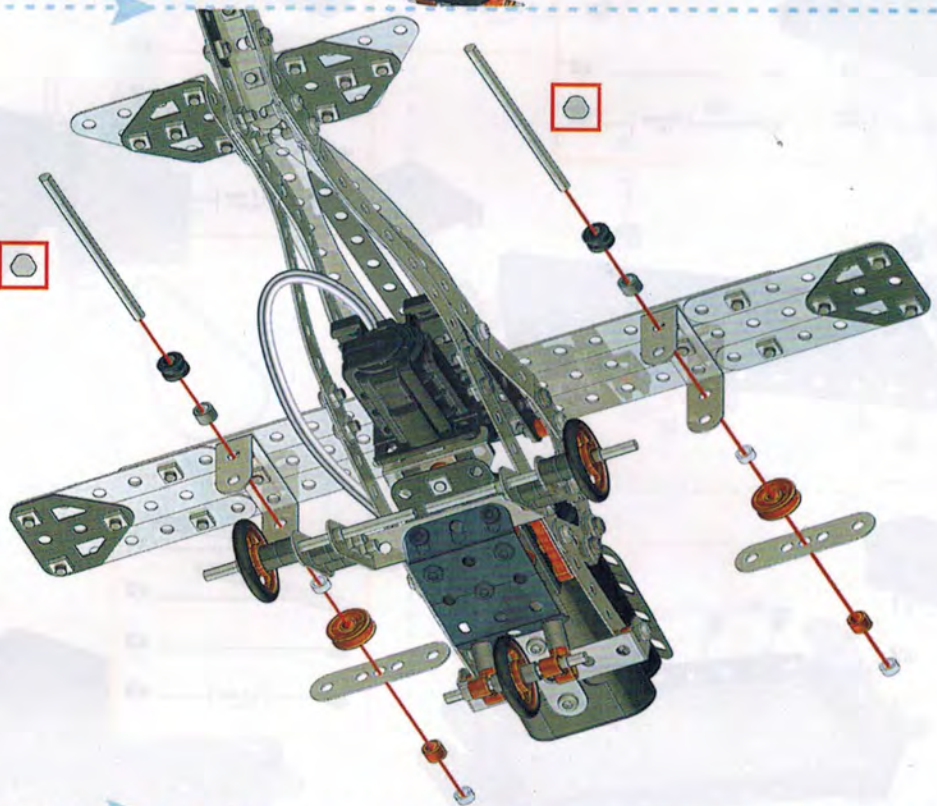
32

-  x2
-  x6
-  x6





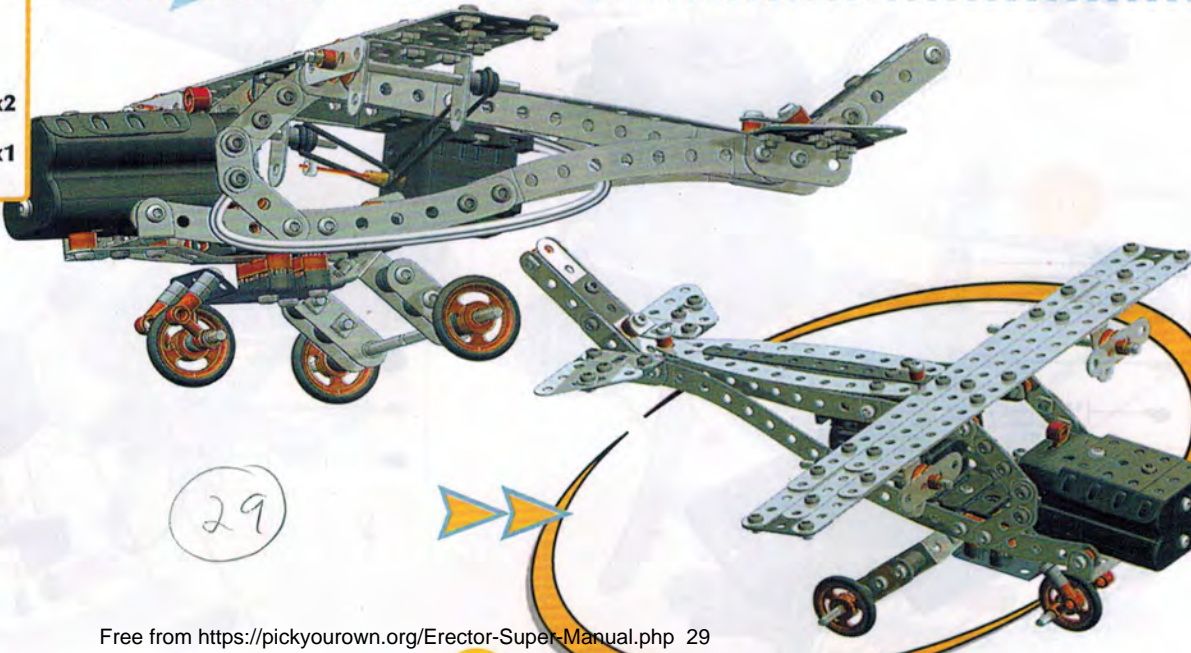
33

-  x2
-  x2
-  x2
-  x2
-  x2
-  x2
-  x4

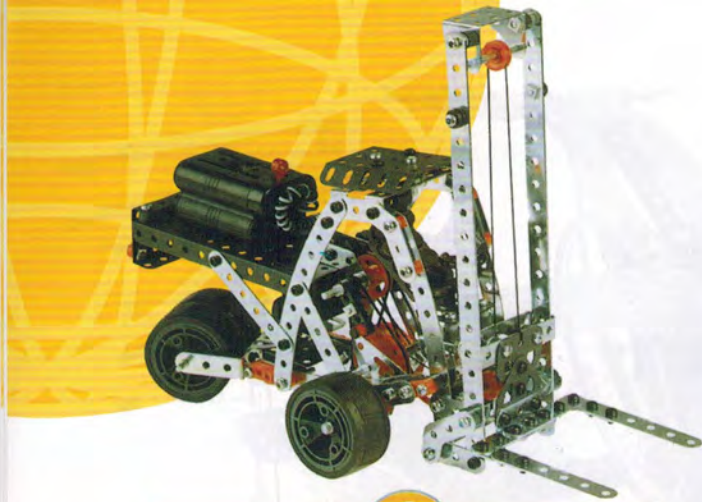


34

-  x2
-  x1

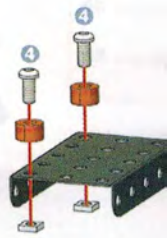


29



1

- x1
- x2
- x2
- 9,5 mm | 3/8" x2

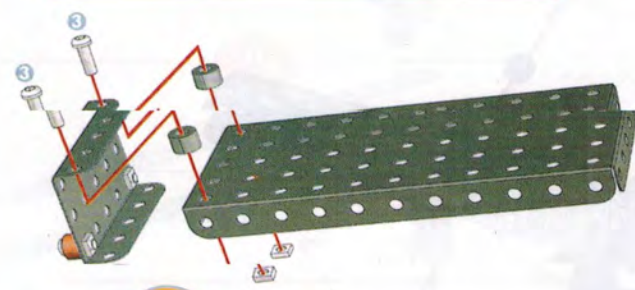
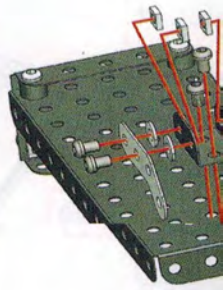


2

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

3

- x1
- x2
- x2
- x6
- 5,8 mm | 15/64" x6

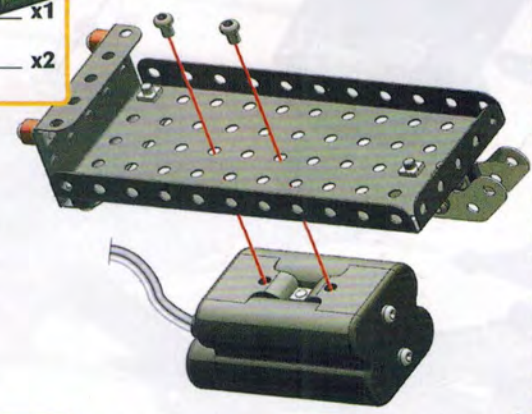
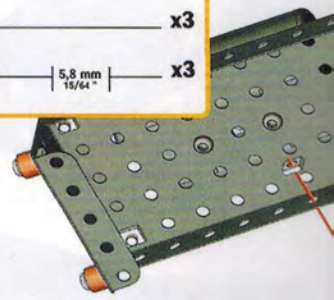


4

- x1
- 5,8 mm | 15/64" x2

5

- x1
- x2
- x3
- 5,8 mm | 15/64" x3

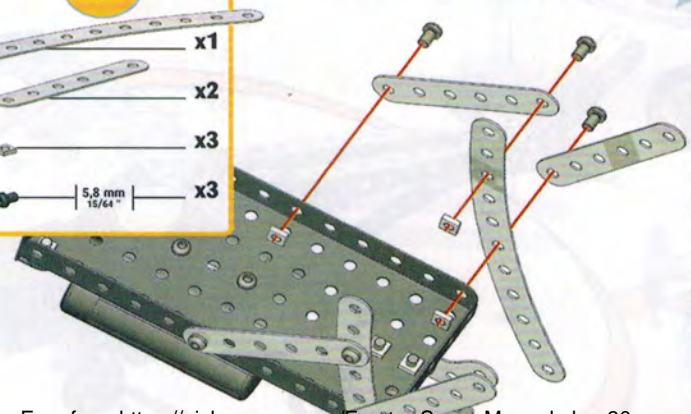




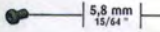
6

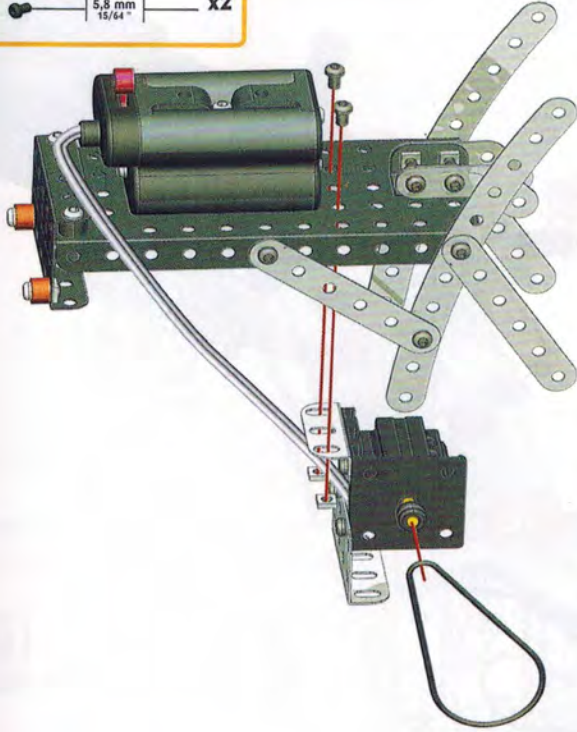
- x1
- x2
- x3
- 5,8 mm | 15/64" x3









7

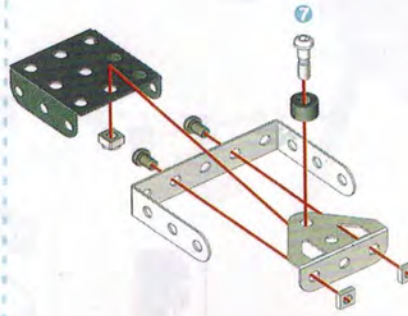
- x1
- x1
- x1
- x4
- 5,8 mm | 15/64" x4






- 8**
-  x1
 -  x2
 -  5,8 mm 15/64" x2



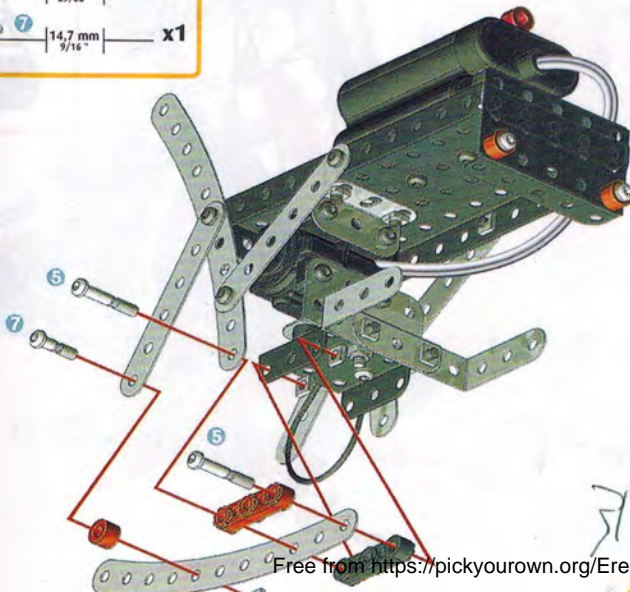
- 9**
-  x1
 -  x1
 -  x1
 -  x1
 -  x1
 -  x2
 -  7 | 14,7 mm 9/16" x1
 -  5,8 mm 15/64" x2










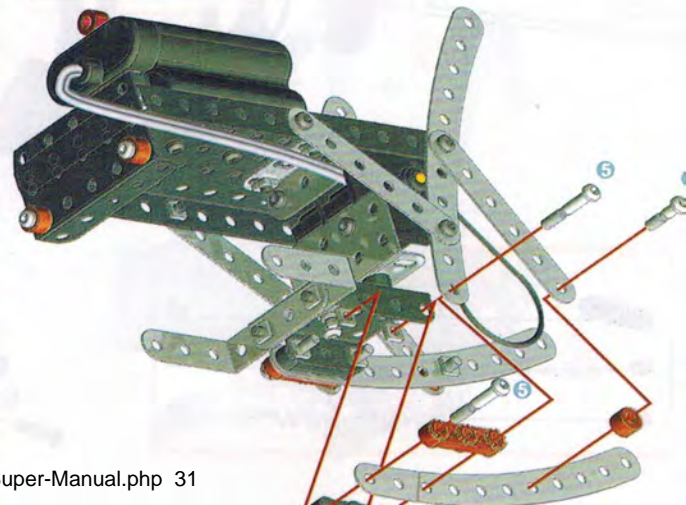
- 10**
-  x2
 -  x2
 -  7 | 14,7 mm 9/16" x2










- 11**
-  x1
 -  x1
 -  x1
 -  x1
 -  x3
 -  5 | 23 mm 29/32" x2
 -  7 | 14,7 mm 9/16" x1

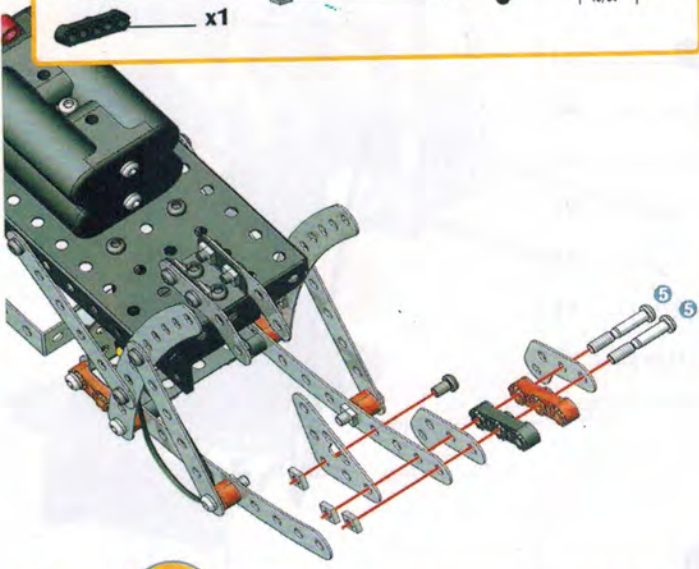


- 12**
-  x1
 -  x1
 -  x1
 -  x1
 -  x3
 -  5 | 23 mm 29/32" x2
 -  7 | 14,7 mm 9/16" x1











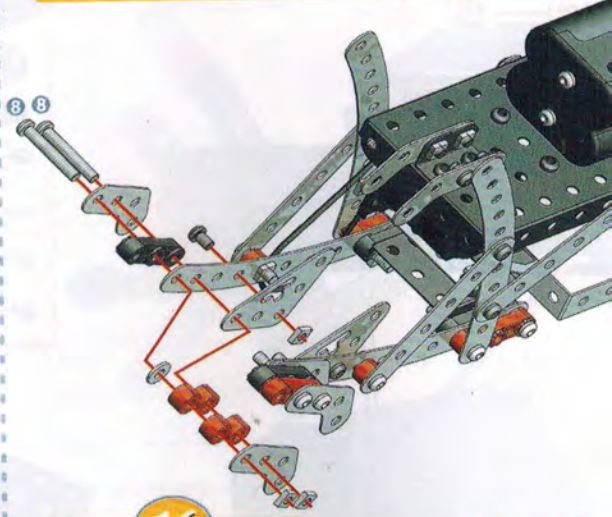
13

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



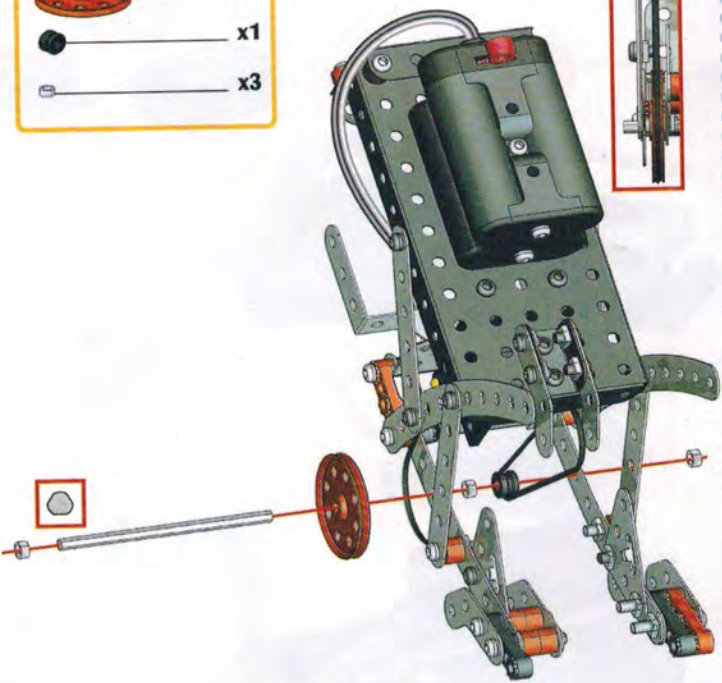
14

-  x2
-  x1
-  x1
-  x4
-  x1
-  x3
-  x2
-  x1
-  x1



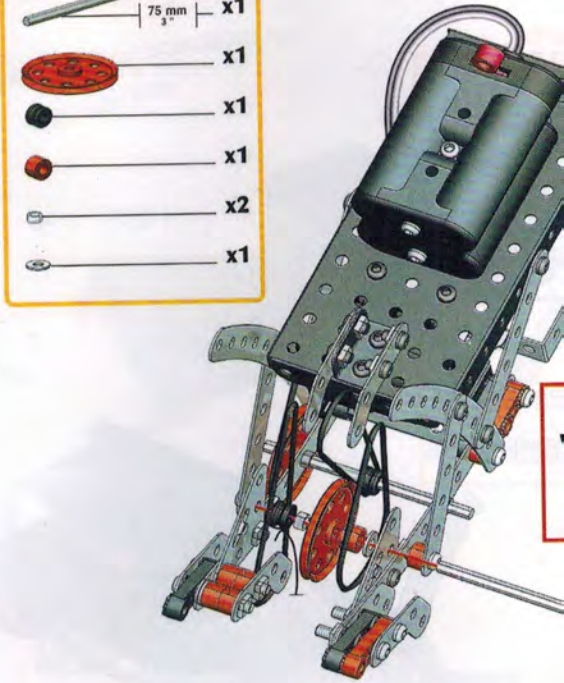
15

-  x1
-  x1
-  x1
-  x1
-  x3









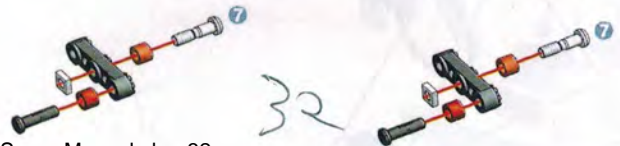
16

-  x1
-  x2
-  x1
-  x1
-  x1
-  x1
-  x2
-  x1








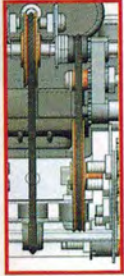
17

-  x2
-  x2
-  x2
-  x2
-  x2
-  x2









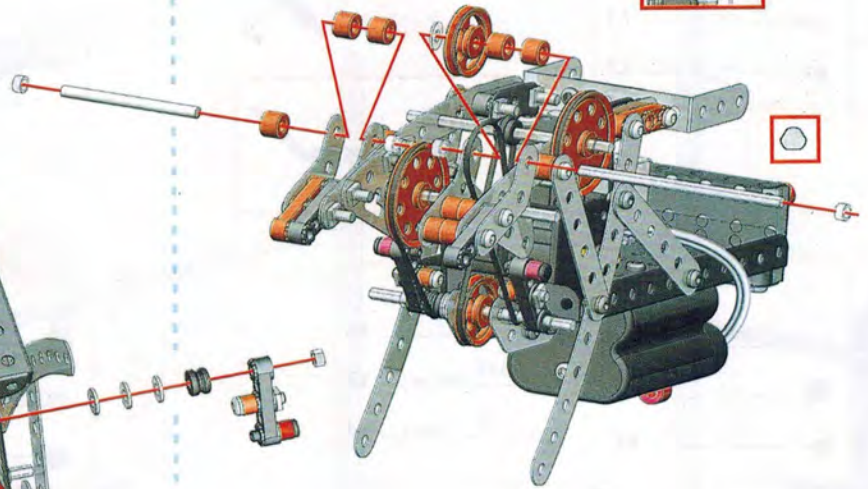
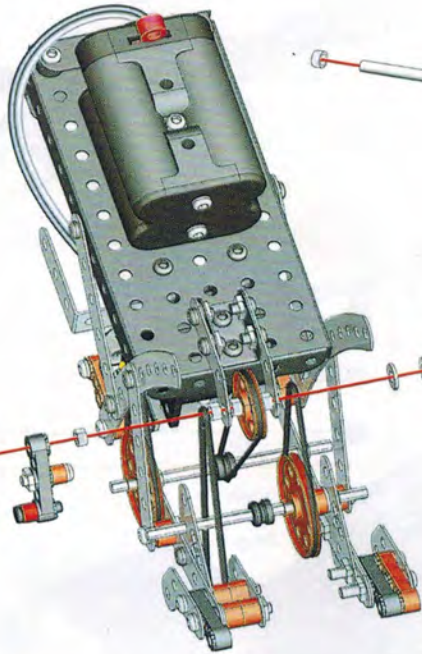
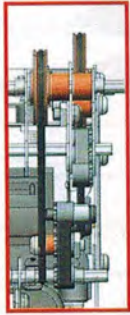
18

-  75 mm $\frac{3}{8}$ " x1
-  x1
-  x1
-  x6
-  x3




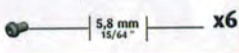


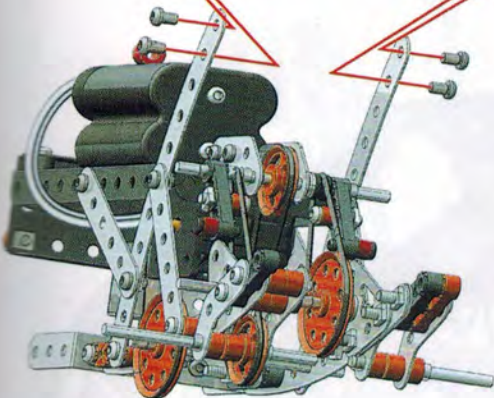
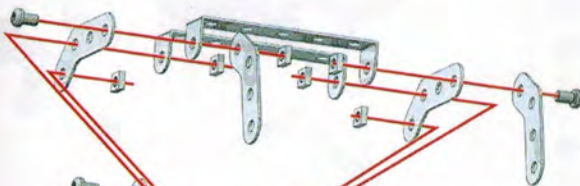
19

-  75 mm $\frac{3}{8}$ " x1
-  50 mm $\frac{1}{2}$ " x1
-  x1
-  x5
-  x4
-  x1




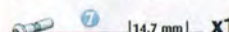




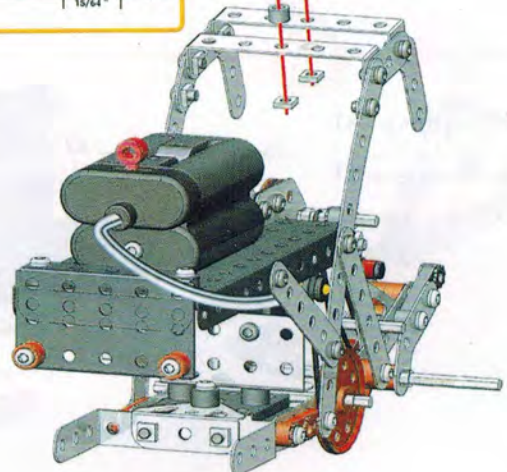
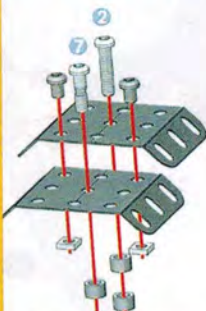
20

-  x2
-  x4
-  x6
-  5.8 mm $\frac{15}{64}$ " x6



21

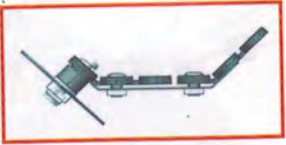
-  x2
-  x4
-  x4
-  19 mm $\frac{3}{4}$ " x1
-  14.7 mm $\frac{9}{16}$ " x1
-  5.8 mm $\frac{15}{64}$ " x2



33

22

- x1
- x2
- x1
- x1
- x1
- x1
- x1
- x2
- x1 (14,7 mm / 9/16")
- x2 (5,8 mm / 15/64")



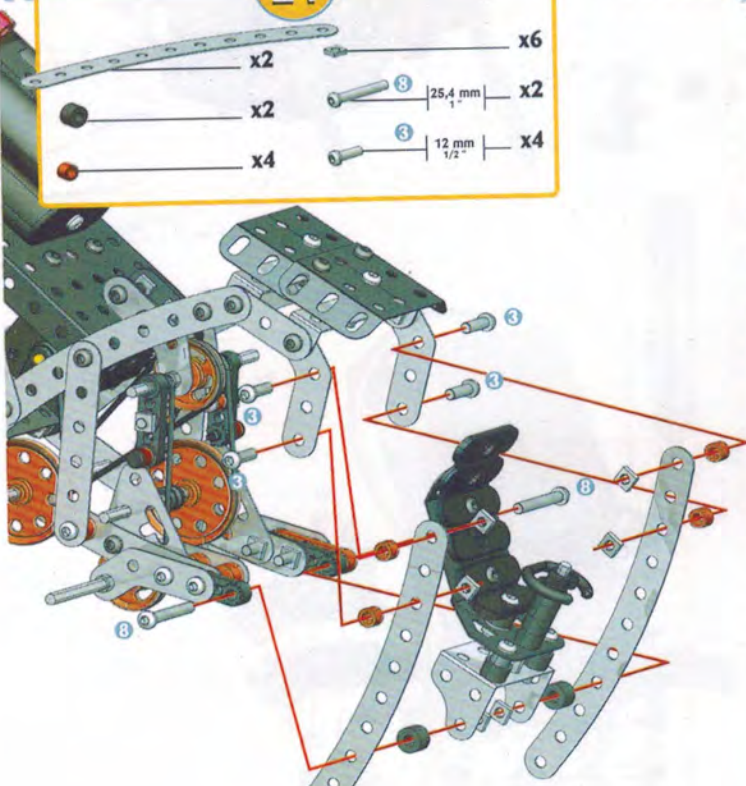
23

- x1 (50 mm / 2")
- x1
- x1
- x6
- x2
- x2
- x2
- x2 (19 mm / 3/4")



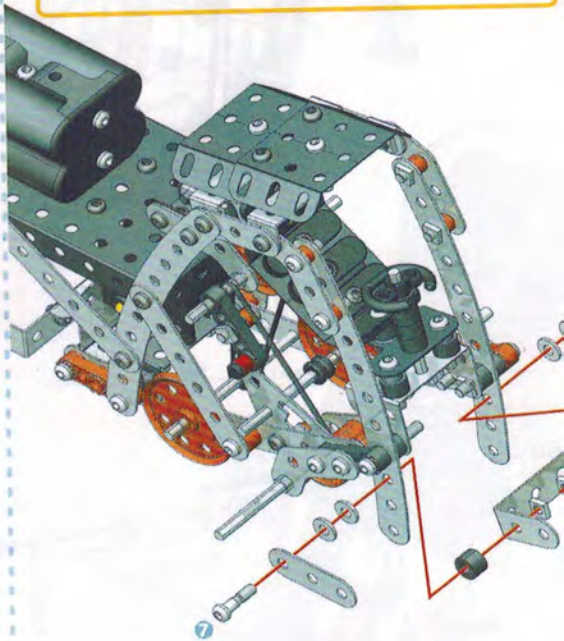
24

- x2
- x2
- x4
- x6
- x2 (25,4 mm)
- x4 (12 mm / 1/2")



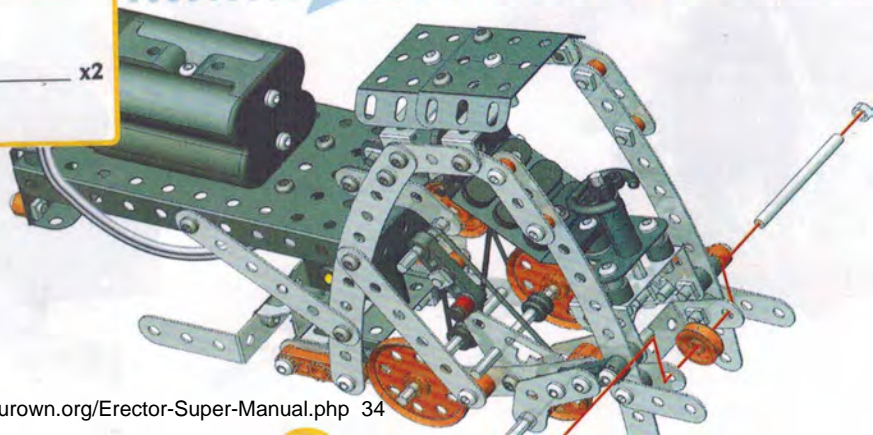
25

- x1
- x2
- x2
- x4
- x2
- x2 (14,7 mm / 9/16")

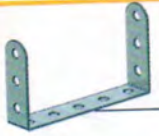






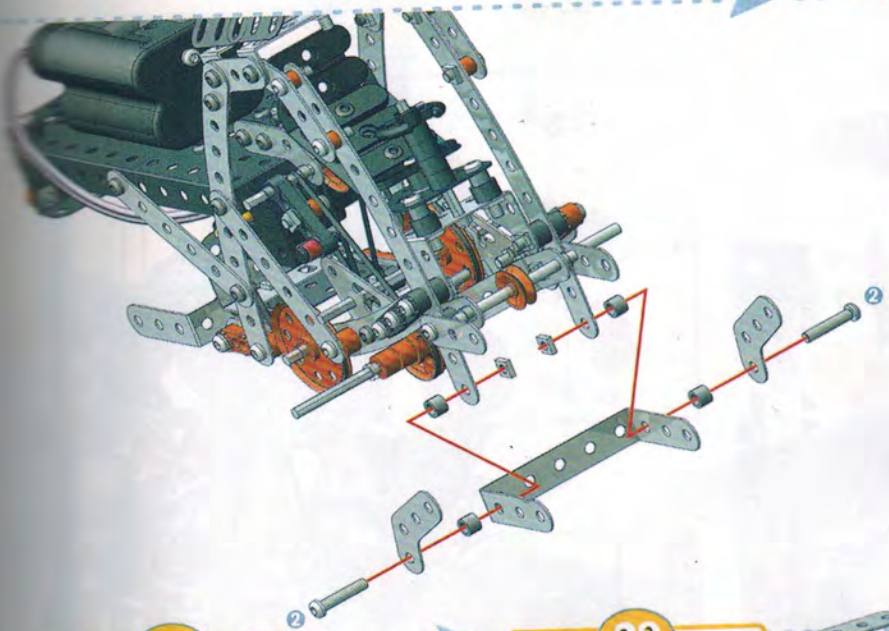
26

- x1 (50 mm)
- x1
- x2







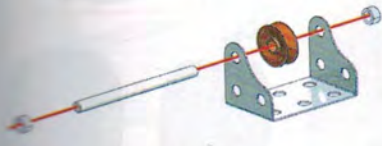
27

-  x1
-  x2
-  x4
-  x2
-  x2










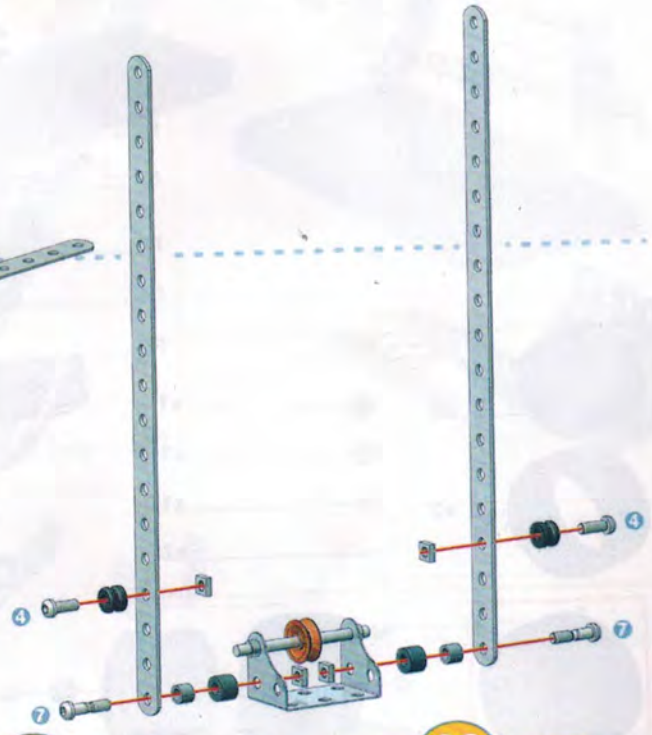
28

-  x1
-  x1
-  x1
-  x2







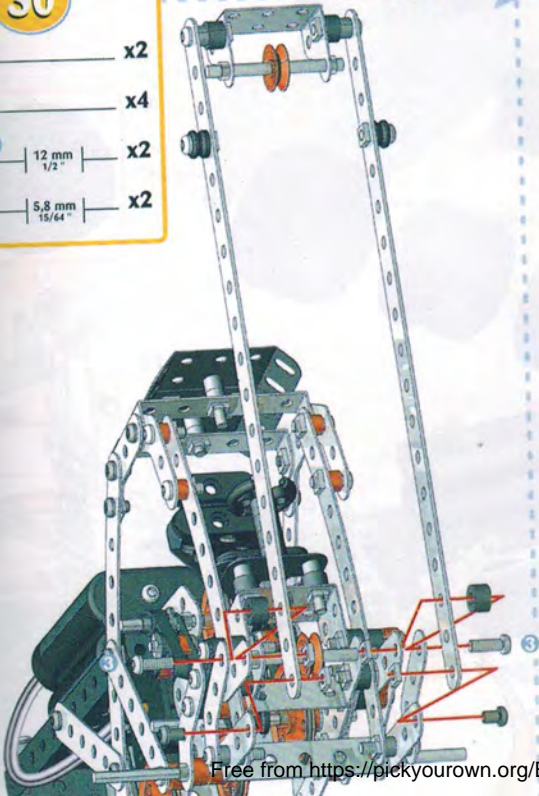
29

-  x2
-  x2
-  x2
-  x2
-  x4
-  x2
-  x2









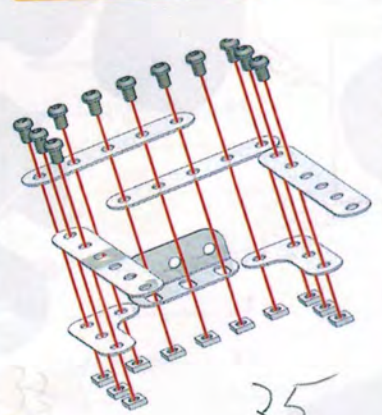
30

-  x2
-  x4
-  x2
-  x2



31

-  x2
-  x2
-  x1
-  x2
-  x11
-  x11

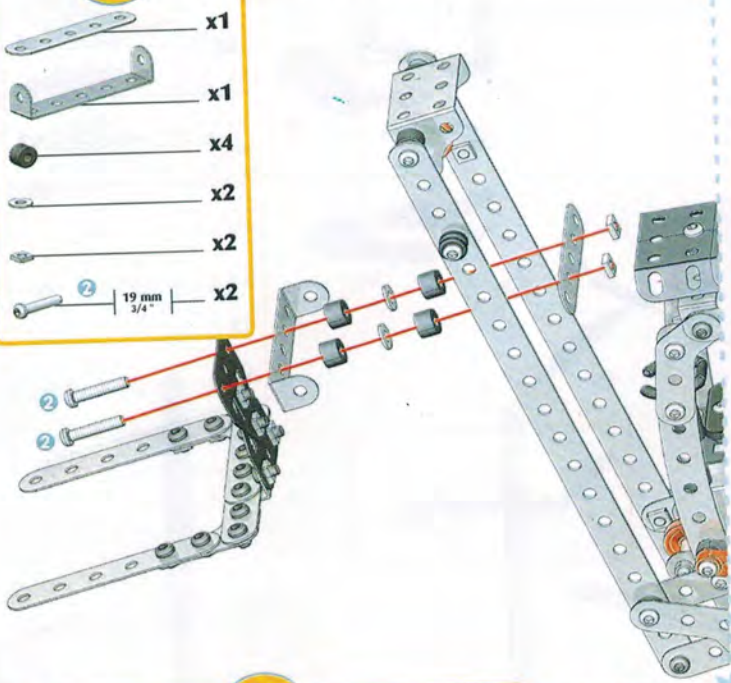


32

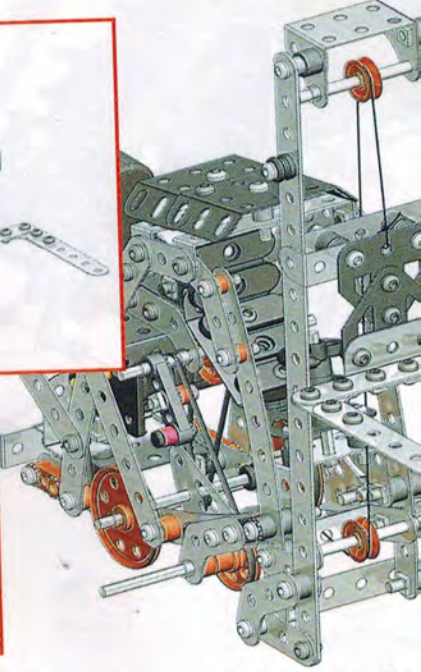
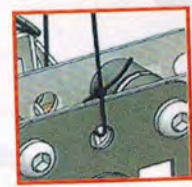
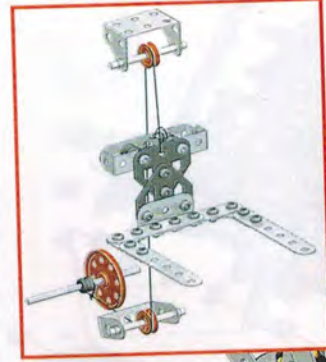
-  x2
-  x4
-  x4



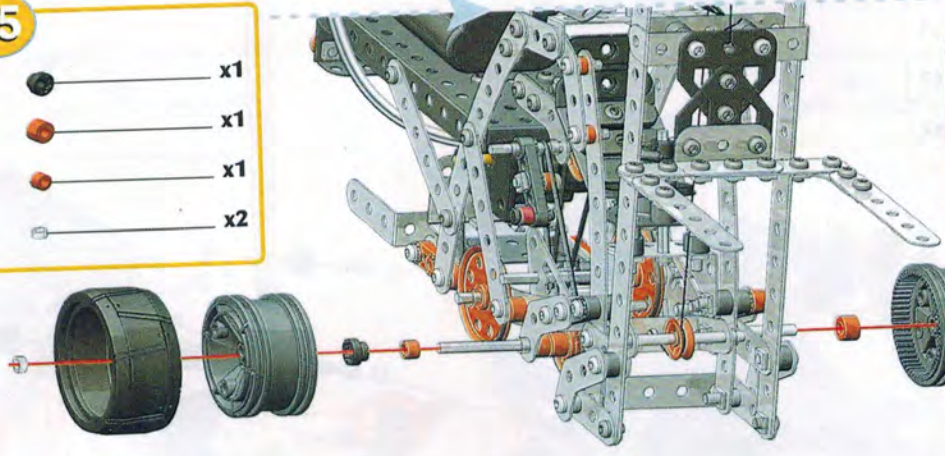
- 33**
- x1
 - x1
 - x4
 - x2
 - x2
 - x2
- 19 mm
3/4"



34

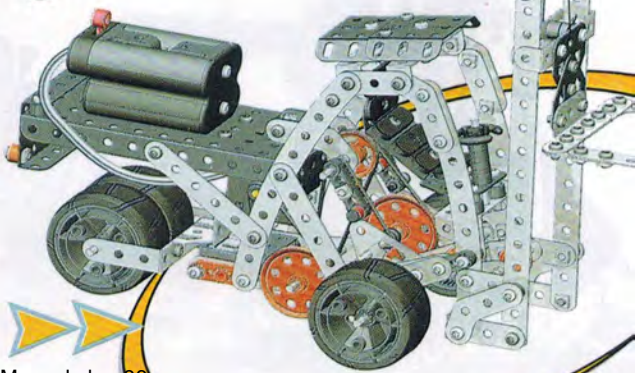
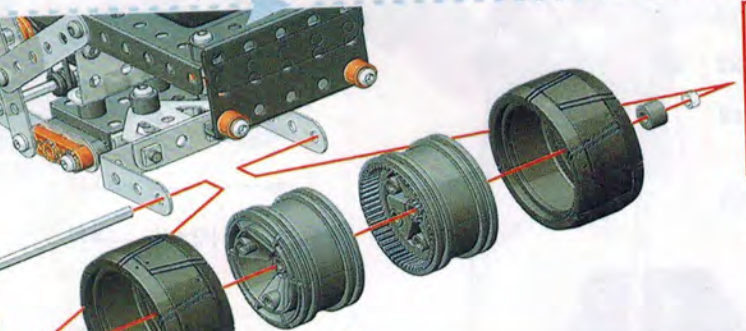
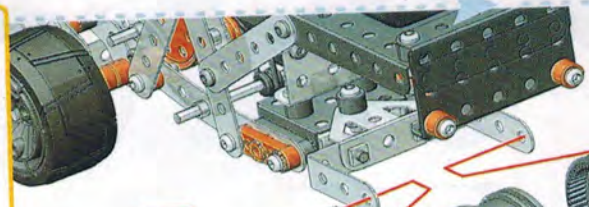


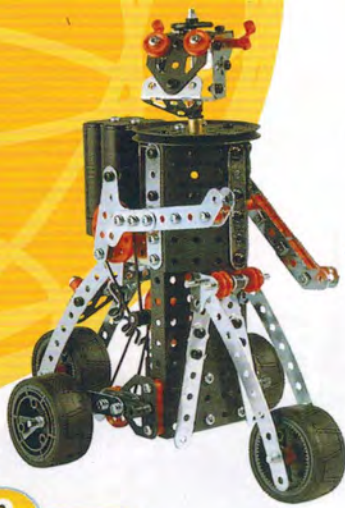
- 35**
- x2
 - x2
 - x1
 - x1
 - x1
 - x1
 - x2



36

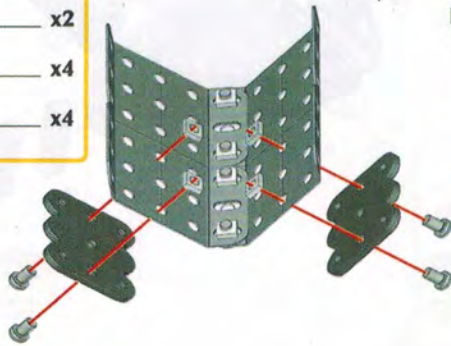
- x2
 - x2
 - x1
 - x2
 - x2
- 75 mm
3"





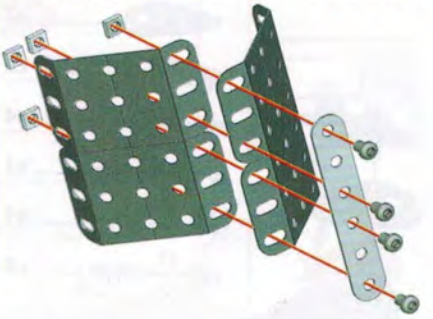
2

- x2
- x4
- x4 | 5,8 mm | 15/64"



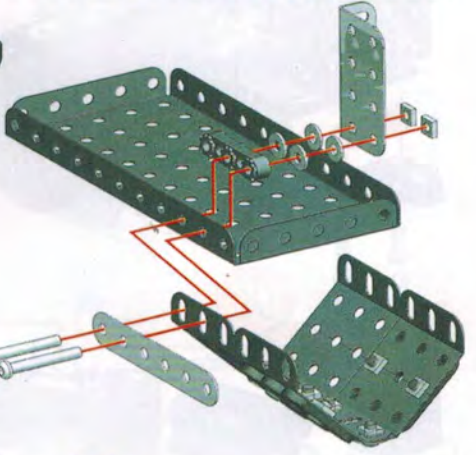
1

- x1
- x4
- x4
- x4 | 5,8 mm | 15/64"



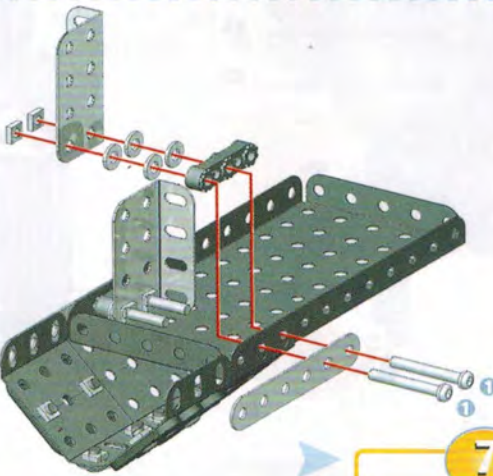
3

- x1
- x1
- x1
- x1
- x4
- x2
- x2 | 28 mm | 1 1/8"



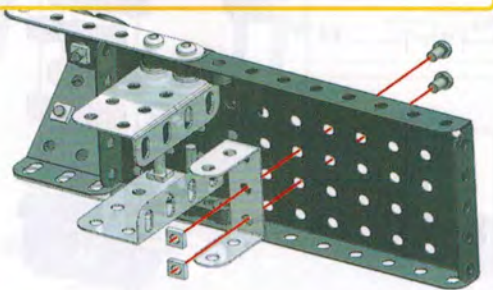
4

- x1
- x1
- x1
- x4
- x2
- x2 | 28 mm | 1 1/8"



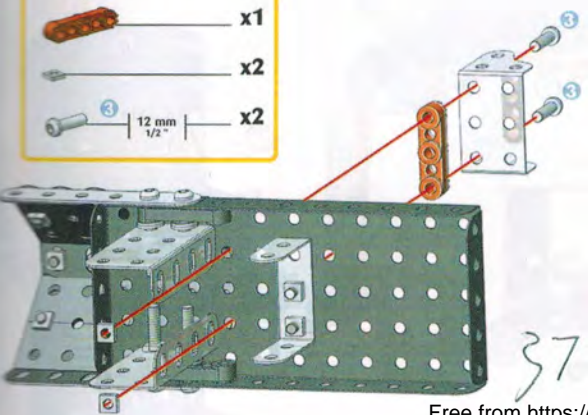
5

- x1
- x2
- x2 | 5,8 mm | 15/64"



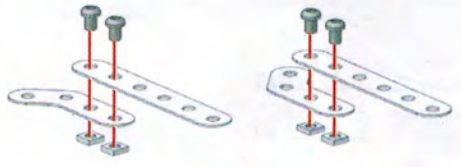
6

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



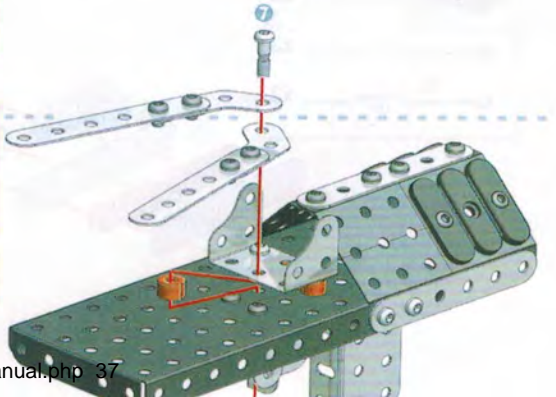
7

- x2
- x2
- x4
- x4 | 5,8 mm | 15/64"








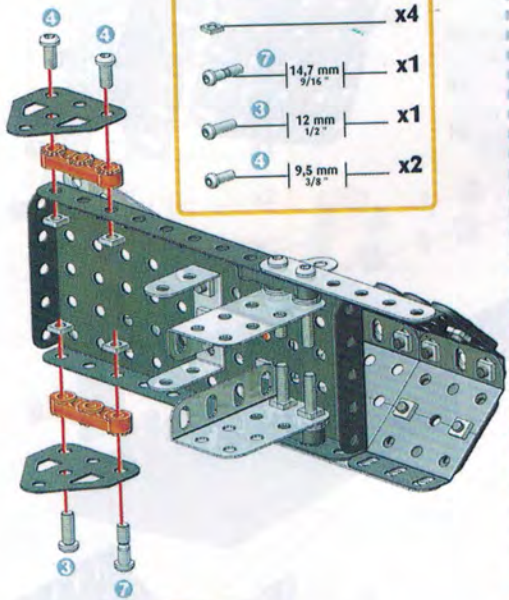
8






- x1
- x1
- x1 | 14,7 mm | 9/16"

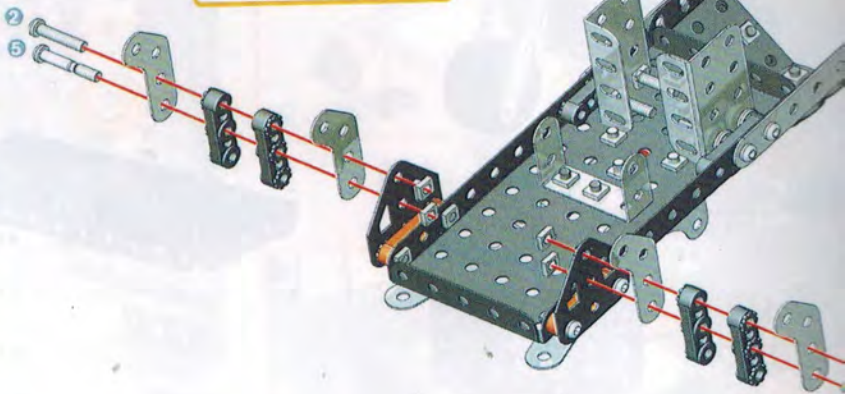


37

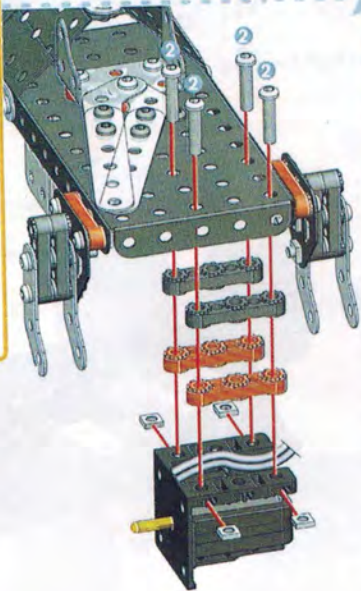
- 9**
-  x2
 -  x2
 -  x4
 -  x1
 -  x1
 -  x2







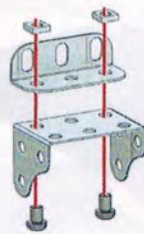
- 10**
-  x4
 -  x4
 -  x4
 -  x2
 -  x2





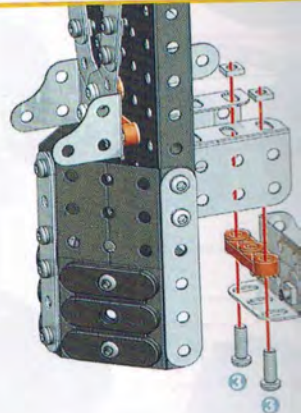
- 11**
-  x1
 -  x2
 -  x2
 -  x4
 -  x4






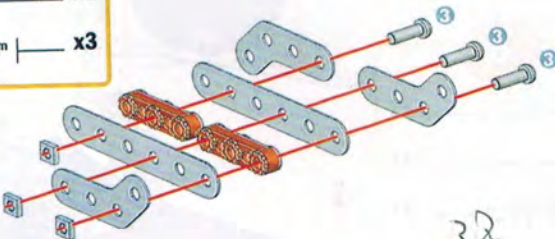
- 12**
-  x1
 -  x1
 -  x2
 -  x2






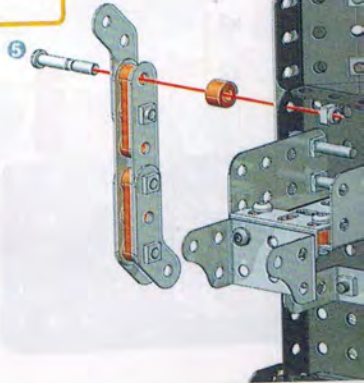
- 13**
-  x1
 -  x1












- 14**
-  x2
 -  x3
 -  x2
 -  x3
 -  x3

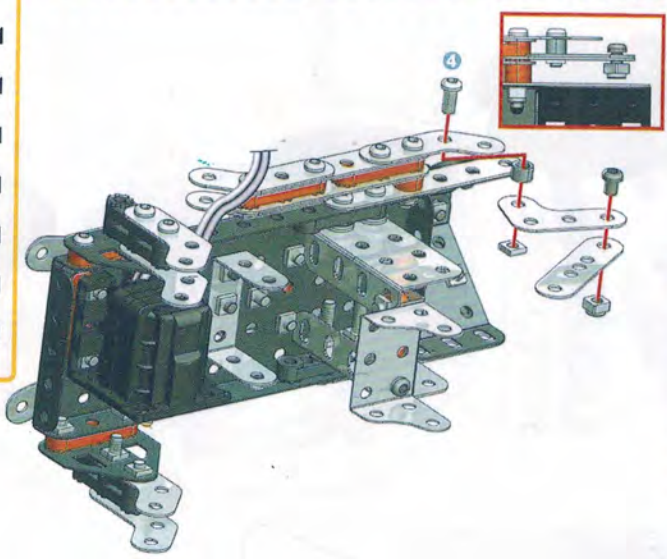


- 15**
-  x1
 -  x1
 -  x1









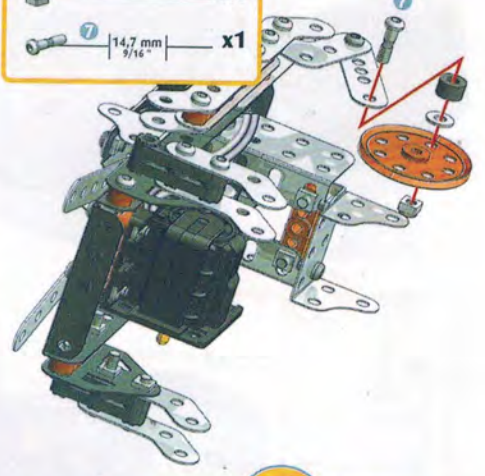
16

-  x1
-  x1
-  x1
-  x1
-  x1
-  x1
-  x1
-  x1
-  x1








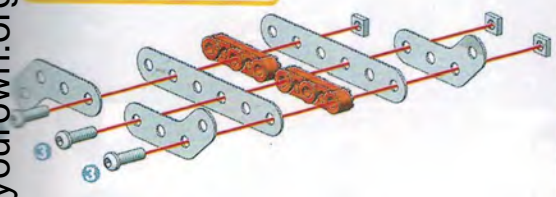
17

-  x1
-  x1
-  x1
-  x1
-  x1
-  x1






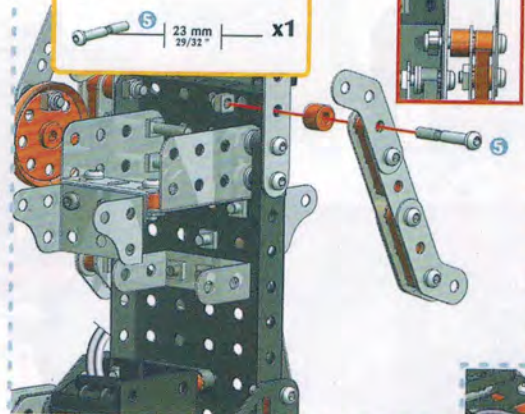
18

-  x2
-  x2
-  x3
-  x3
-  x3











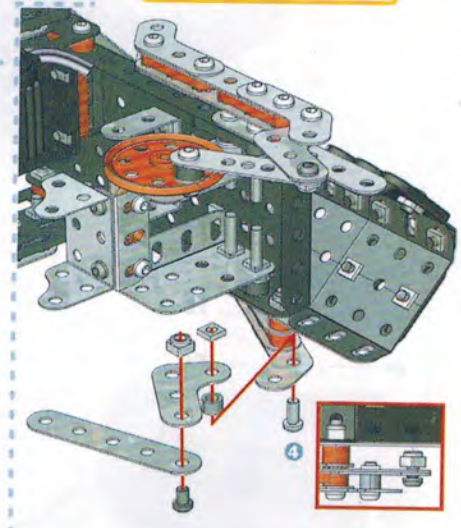
19

-  x1
-  x1
-  x1



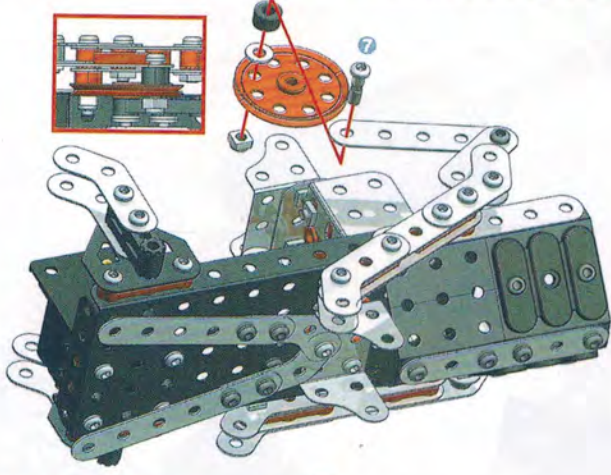
20

-  x1
-  x1
-  x1
-  x1
-  x1
-  x1
-  x1
-  x1






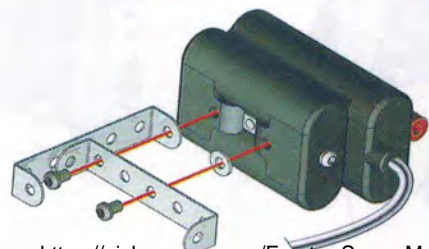
21

-  x1
-  x1
-  x1
-  x1
-  x1



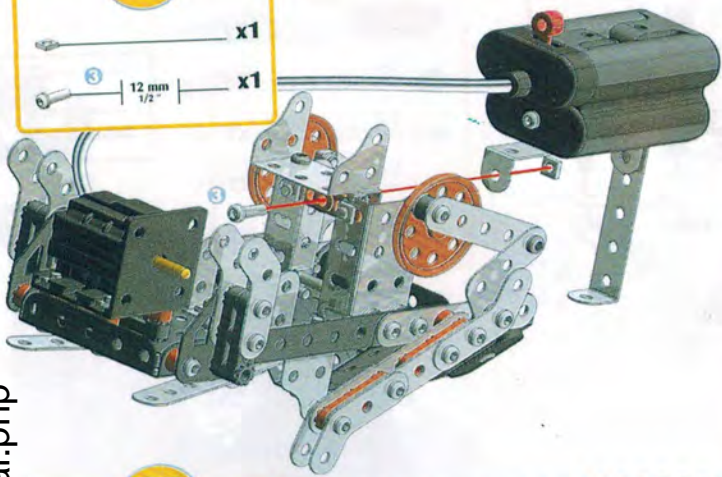
22

-  x2
-  x1
-  x2

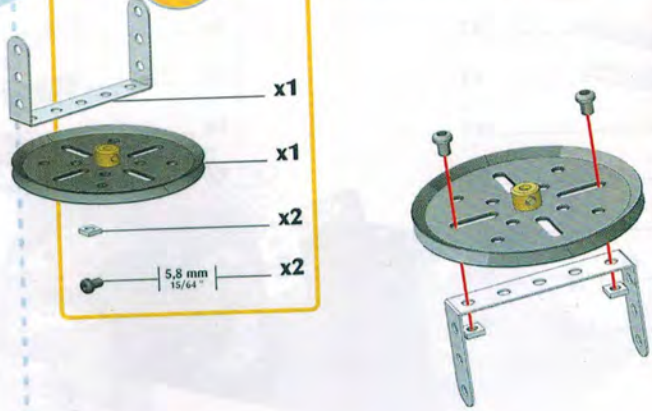


39

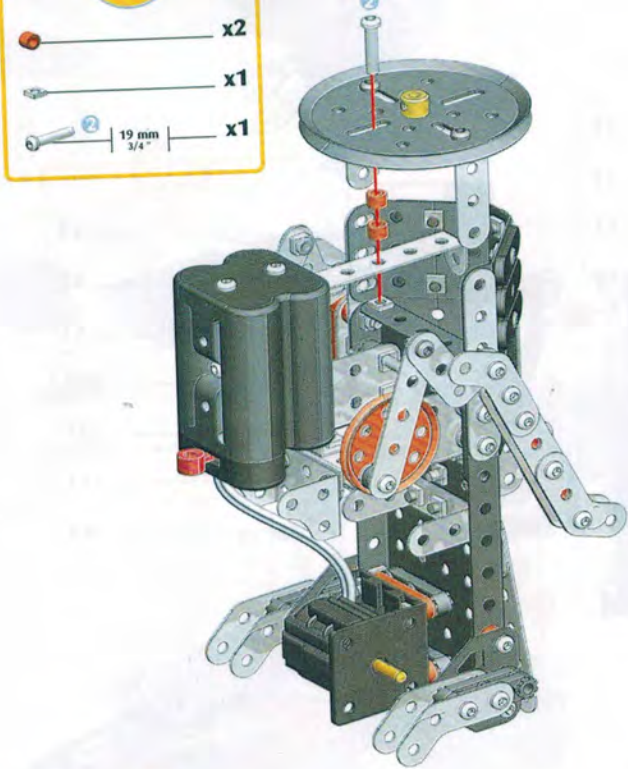
23



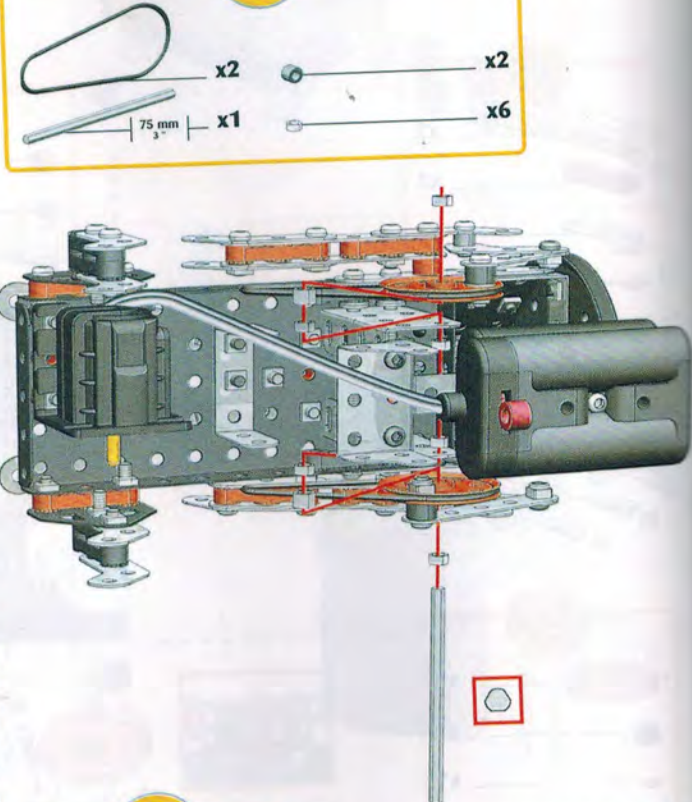
24



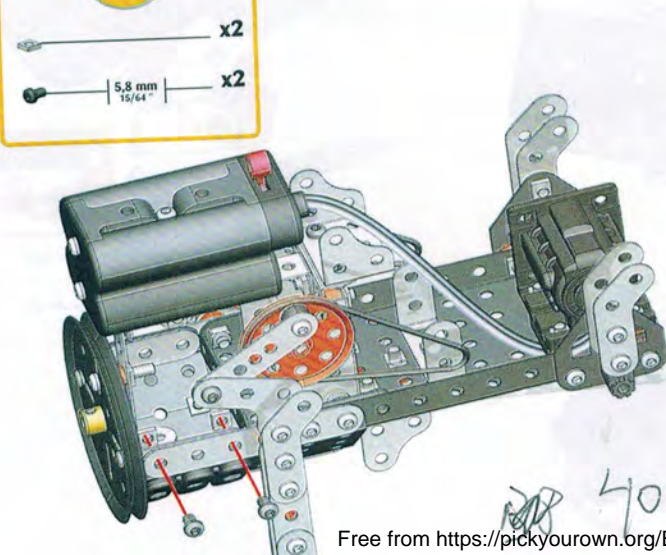
25



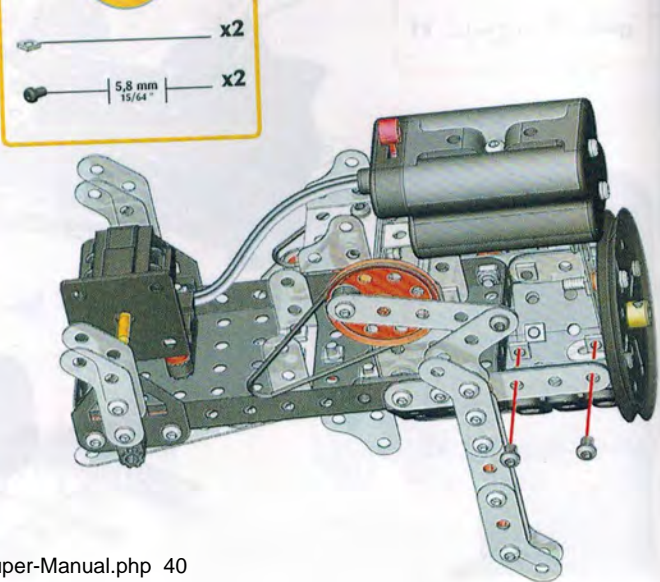
26



27



28





40

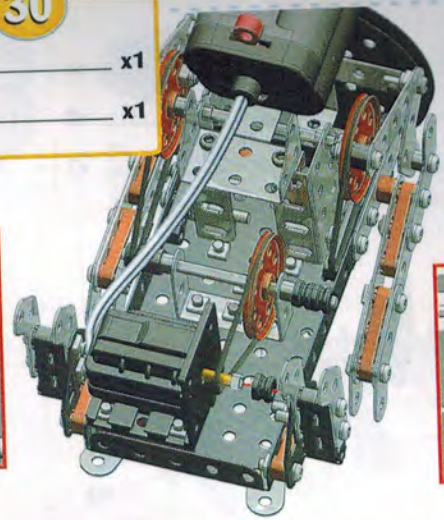
29

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






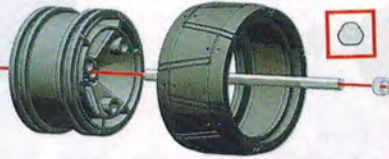
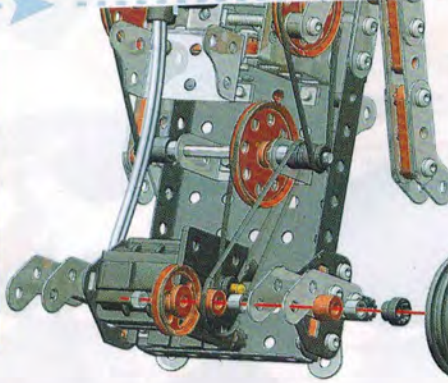
30

-  x1
-  x1











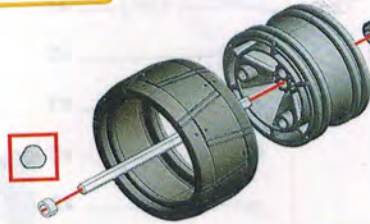
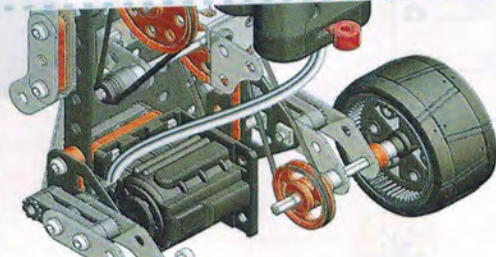
31

-  x1
-  x1
-  x1
-  x1
-  x1
-  x2
-  x2
-  x2
-  x1









32




-  x1
-  x1
-  x1
-  x1
-  x1
-  x1
-  x2
-  x1

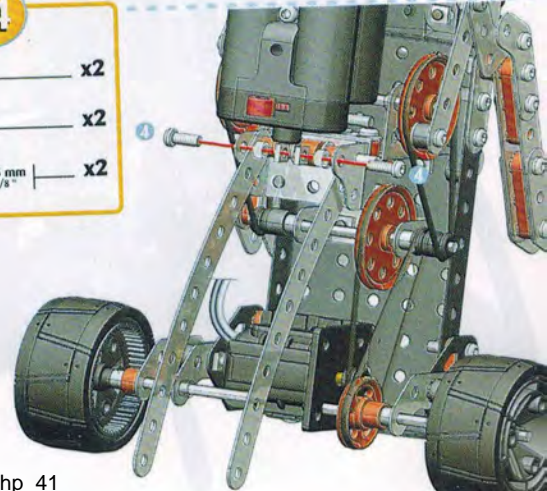


33






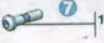
-  x2
-  x1
-  x1
-  x4
-  x2
-  x2

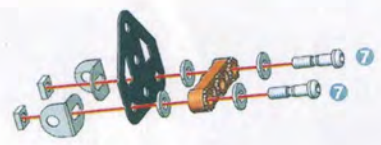
34

-  x2
-  x2
-  x2





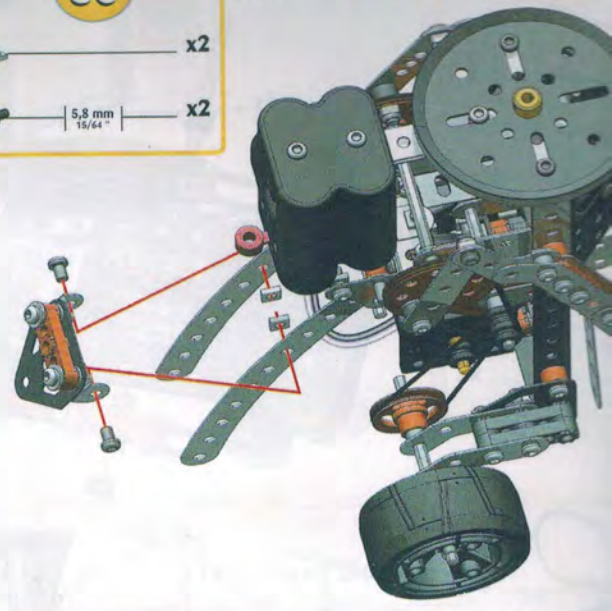
35

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



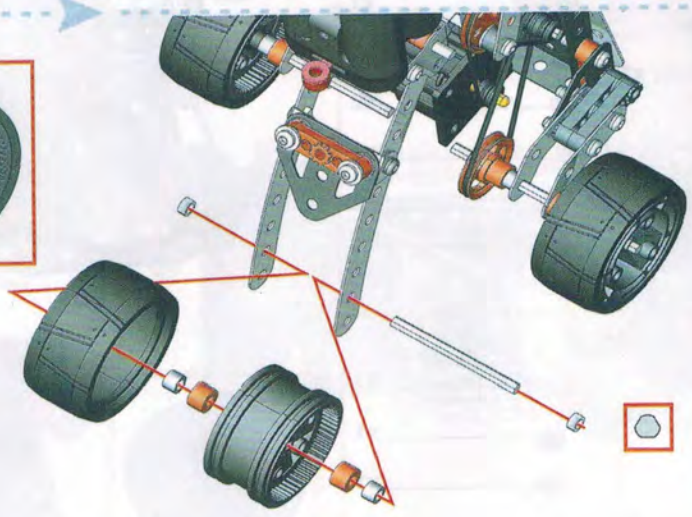
36

-  x2
-  x2









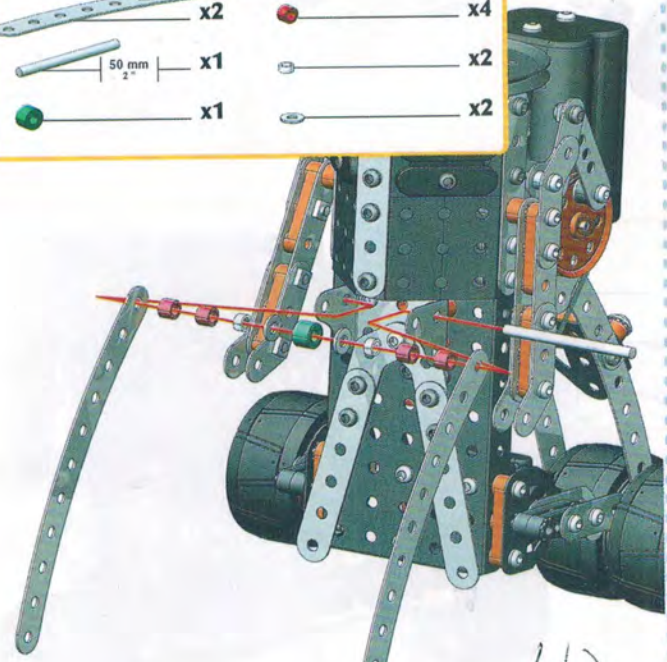
37

-  x1
-  x1
-  x1
-  x2
-  x2
-  x2





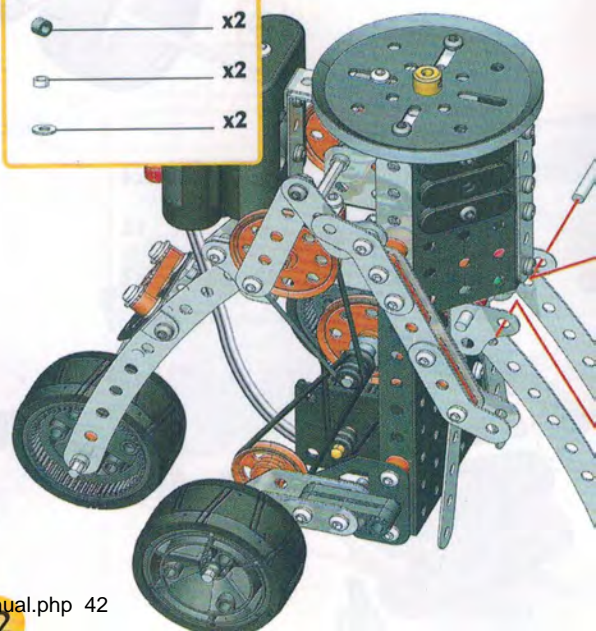
38

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



39

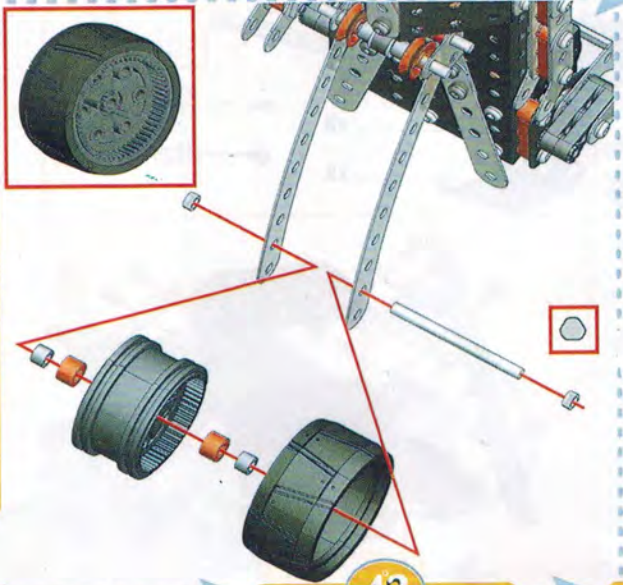
-  x1
-  x2
-  x1
-  x2
-  x2
-  x2



4/2

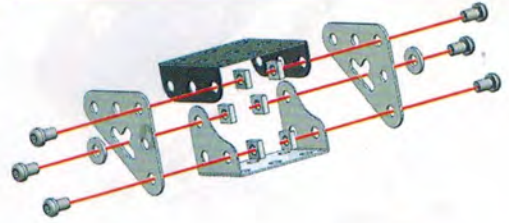
40

- x1
- x1
- 50 mm x1
- x2
- x2
- x2



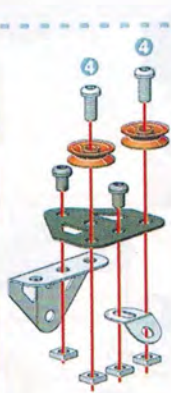
41

- x1
- x1
- x2
- x2
- x6
- 5,8 mm 15/64" x6



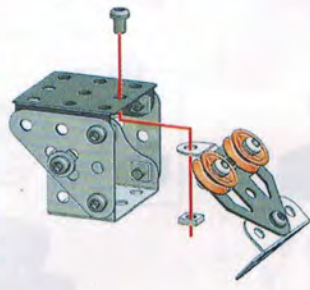
42

- x1
- x1
- x1
- x2
- x4
- 9,5 mm 3/8" x2
- 5,8 mm 15/64" x2



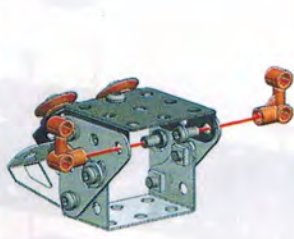
43

- x1
- 5,8 mm 15/64" x1



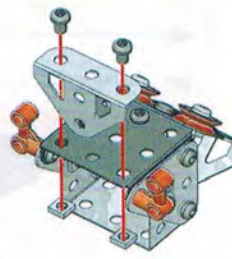
44

- x2
- 5,8 mm 15/64" x2



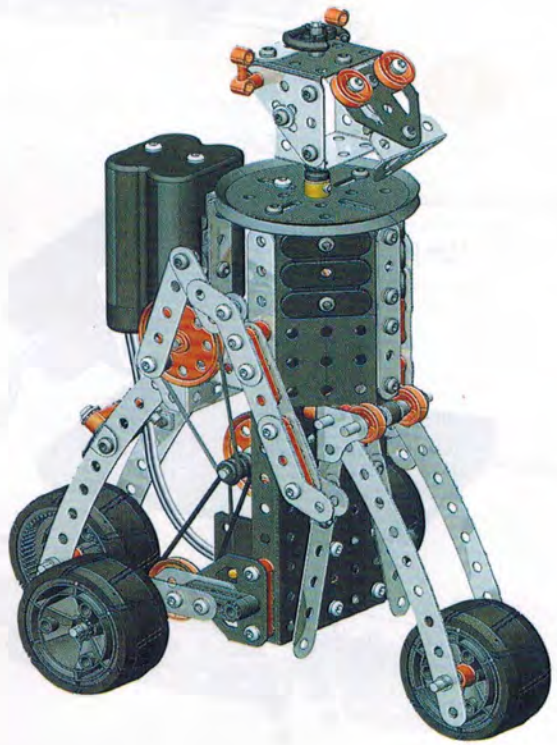
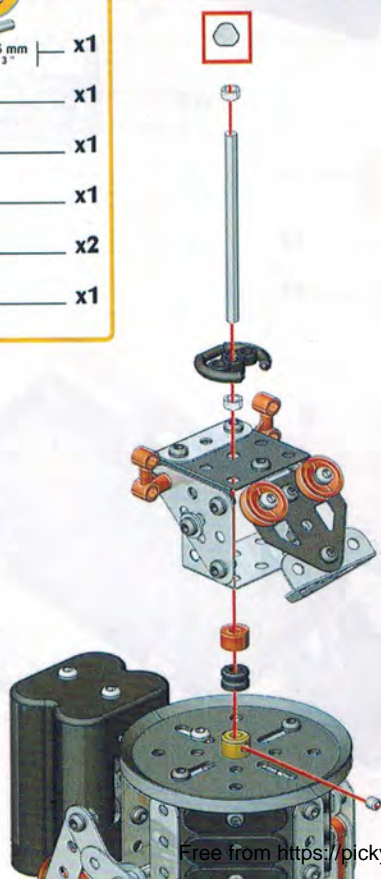
45

- x1
- x2
- 5,8 mm 15/64" x2



46

- 75 mm 3/8" x1
- x1
- x1
- x1
- x2
- x1



43

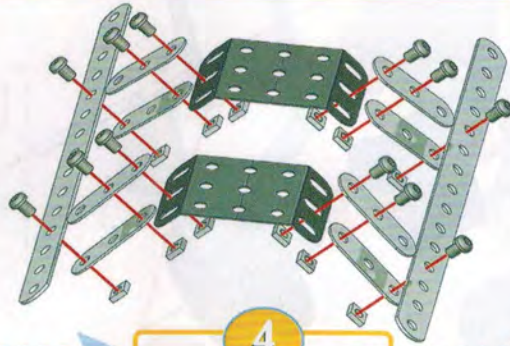


1

- Beam (15 holes) x2
- Beam (10 holes) x8
- Bracket x2
- Pin (5.8 mm / 15/64") x12
- Pin (5.8 mm / 15/64") x12

2

- Bracket
- Bracket
- Pin (5.8 mm / 15/64")
- Pin (5.8 mm / 15/64")



3

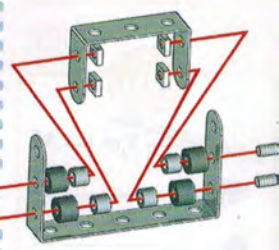
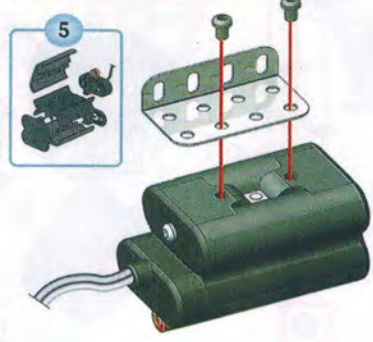
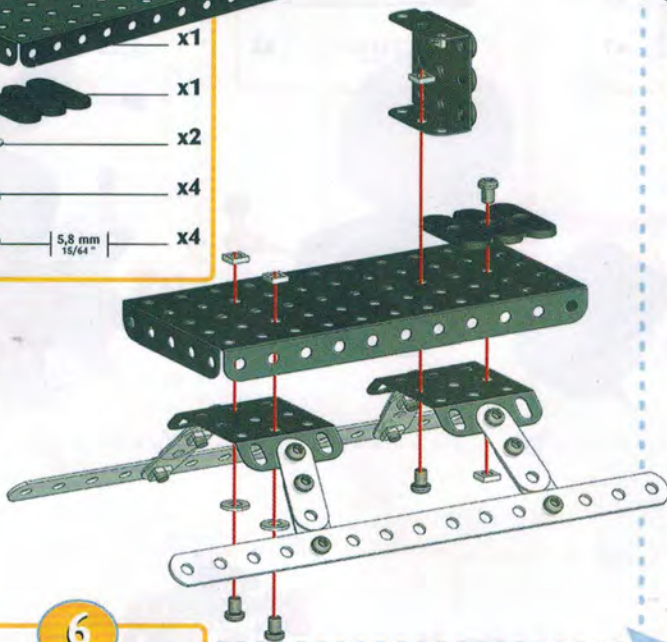
- Beam (25 holes) x1
- Bracket x1
- Bracket x2
- Pin (5.8 mm / 15/64") x2
- Pin (5.8 mm / 15/64") x4
- Pin (5.8 mm / 15/64") x4

4

- Motor x1
- Bracket x1
- Pin (5.8 mm / 15/64") x2

5

- Bracket x1
- Bracket x1
- Pin (5.8 mm / 15/64") x4
- Pin (5.8 mm / 15/64") x4
- Pin (5.8 mm / 15/64") x4
- Pin (14.7 mm / 9/16") x4

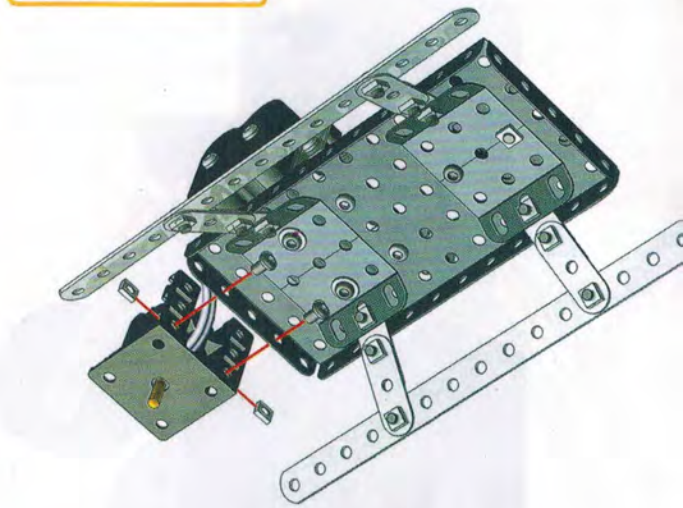
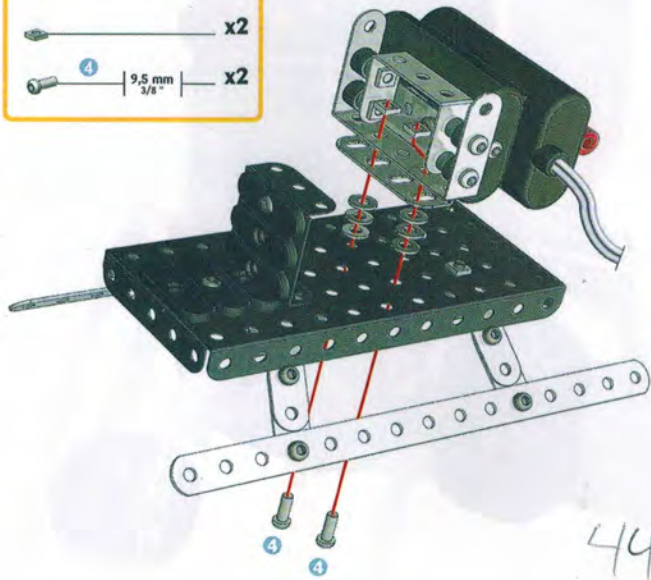


6

- Pin (5.8 mm / 15/64") x6
- Pin (5.8 mm / 15/64") x2
- Pin (9.5 mm / 3/8") x2








7

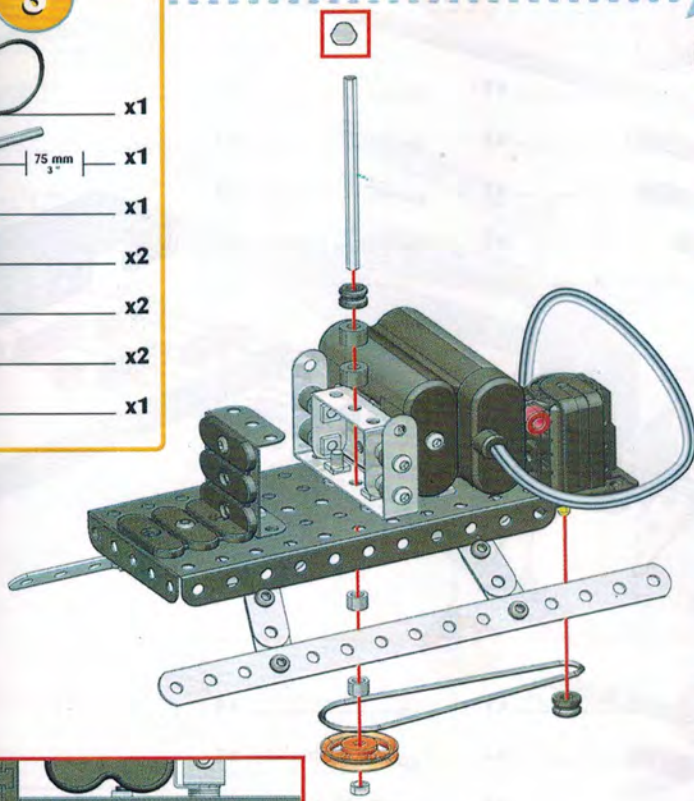
- Pin (5.8 mm / 15/64") x2
- Pin (5.8 mm / 15/64") x2









44

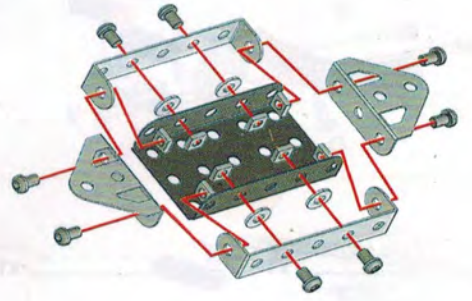
8

-  x1
-  75 mm $\frac{3}{8}$ " x1
-  x1
-  x2
-  x2
-  x2
-  x1








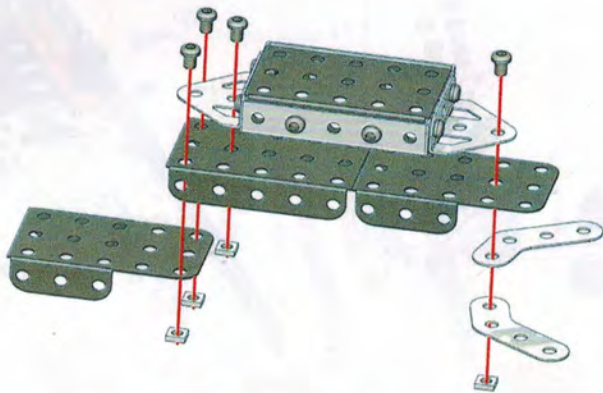
9

-  x1
-  x2
-  x2
-  x4
-  x8
-  5,8 mm $\frac{15}{64}$ " x8










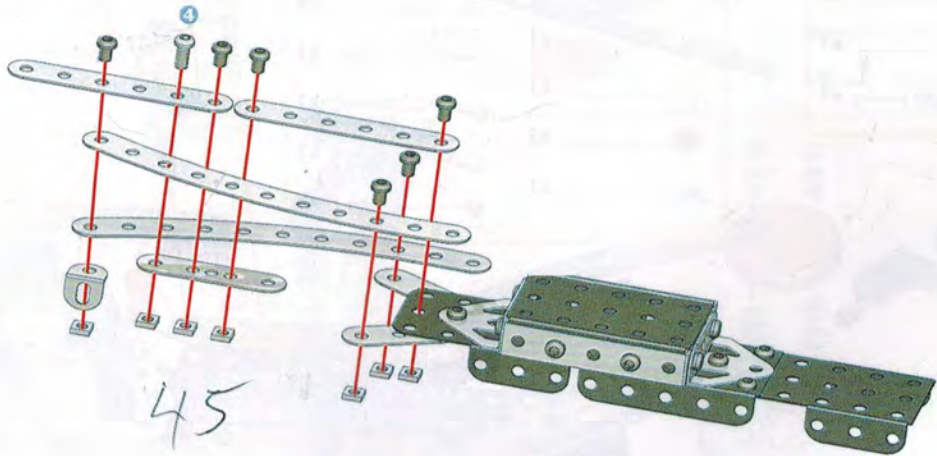
10

-  x1
-  x2
-  x2
-  x4
-  5,8 mm $\frac{15}{64}$ " x4



11

-  x2
-  x2
-  x1
-  x1
-  x7
-  9,5 mm $\frac{3}{8}$ " x1
-  5,8 mm $\frac{15}{64}$ " x6



18

- x2
- x1
- x4
- 9,5 mm 3/8" x1
- 5,8 mm 15/64" x3

19

- x2
- x1
- x3
- 9,5 mm 3/8" x1
- 5,8 mm 15/64" x2

20

- x1
- x1
- x1
- x1
- x1
- x1
- 12 mm 1/2" x2
- 5,8 mm 15/64" x1

21

- x2
- x1
- x1
- x1
- x1
- x4
- 14,7 mm 9/16" x1
- 5,8 mm 15/64" x2

22

- x1
- x1
- x1
- 12 mm 1/2" x1

23

- x2
- 5,8 mm 15/64" x2



24

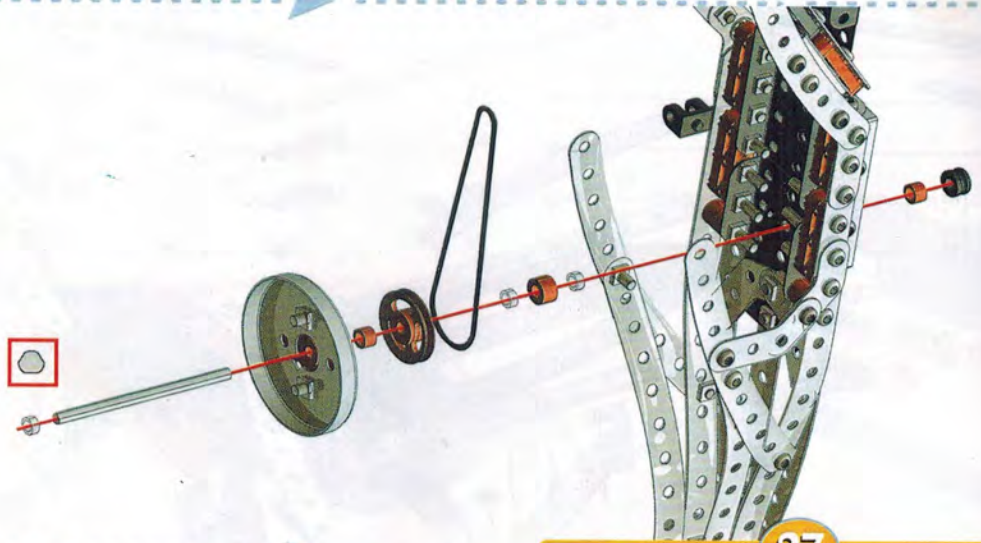
- x6
- x2
- 28 mm 1 1/8" x2

25

- x1
- x1
- x4
- x2
- 9,5 mm 3/8" x2

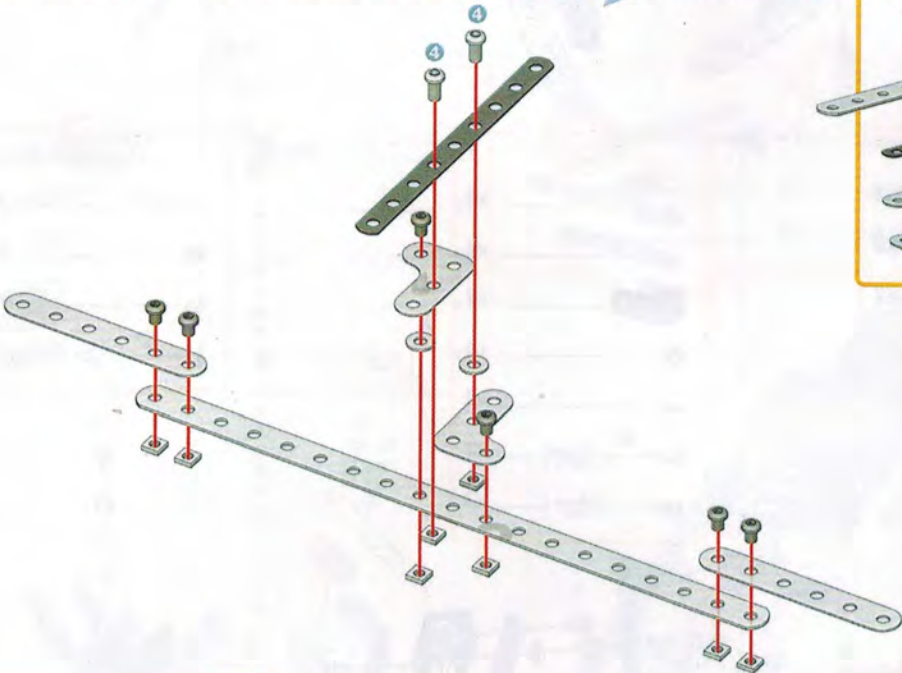
26

-  75 mm | x1
-  x1
-  x1
-  x1
-  x1
-  x2
-  x3









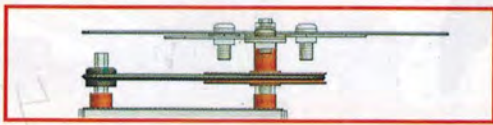
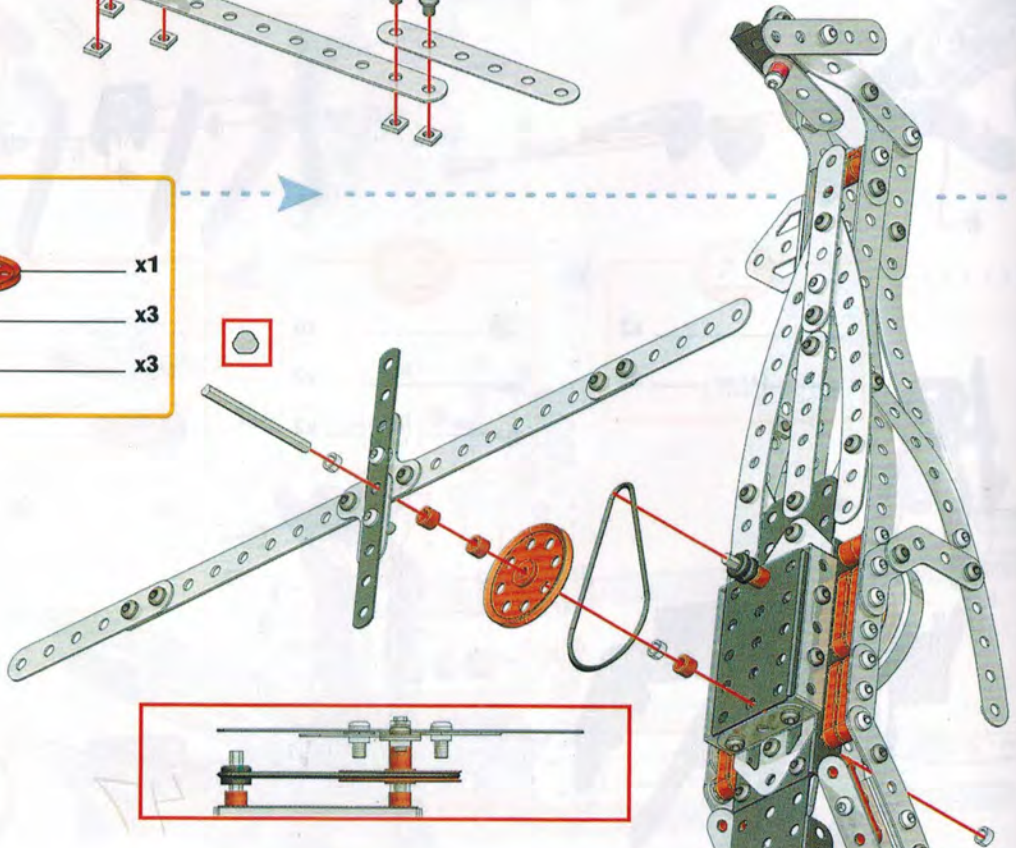
27

-  x1
-  x1
-  x2
-  x2
-  x2
-  x8
-  4 | 9,5mm 3/8" | x2
-  4 | 5,8mm 15/64" | x6



28

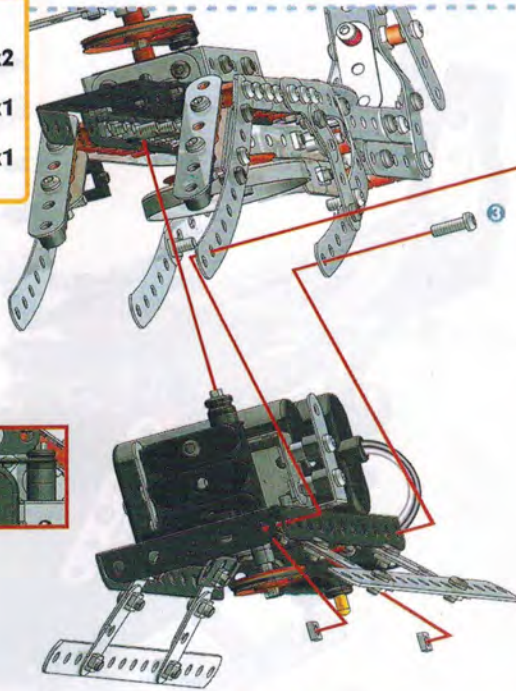
-  x1
-  x1
-  x3
-  x3
-  50 mm | x1
-  x3



48

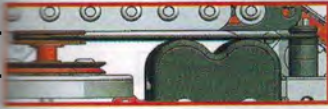
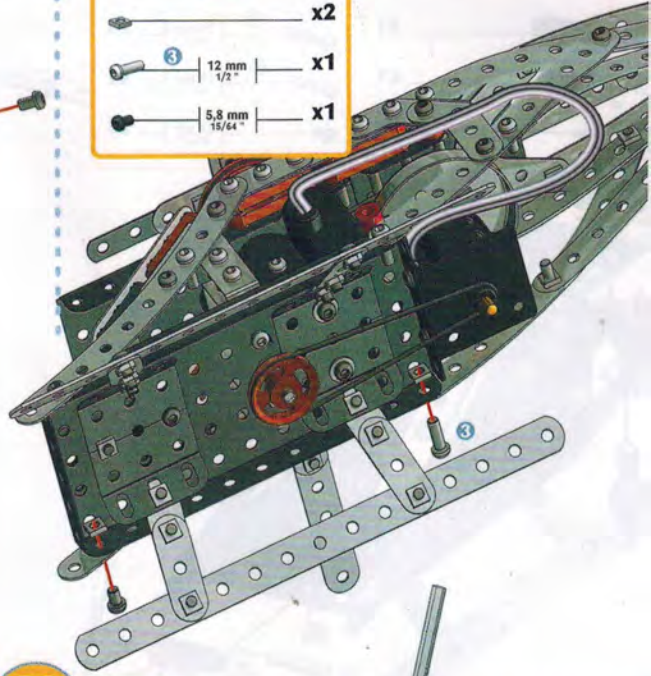
29

- x2
- ③ | 12 mm | — x1
- | 5,8 mm | — x1



30

- x2
- ③ | 12 mm | — x1
- | 5,8 mm | — x1



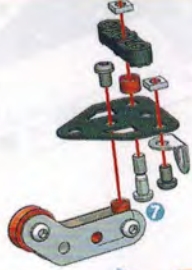
31

- x2
- x1
- x1
- x2
- x2
- ⑦ | 14,7 mm | — x2



32

- x1
- x1
- x1
- x1
- x2
- ⑦ | 14,7 mm | — x1
- | 5,8 mm | — x2



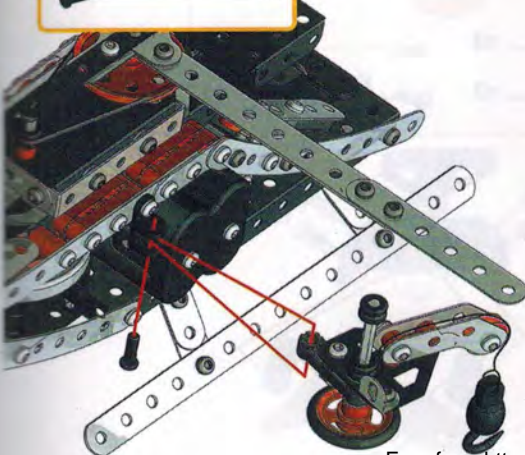
33

- | 75 mm | — x1
- x1
- | 2,25 m | — x1
- x1
- x1
- x2
- x1
- x1
- x2
- x1
- x2
- x1



34

- x1








35

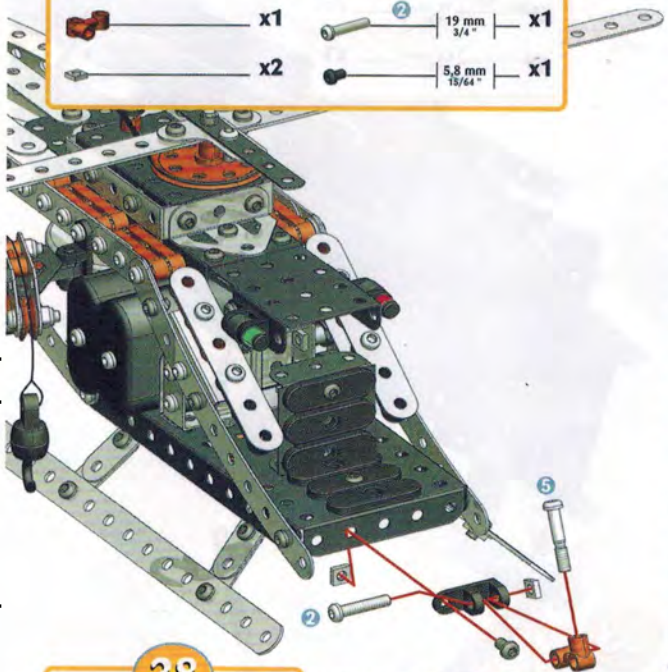
- x2
- x2
- x2
- x1
- x1
- x2
- | 5,8 mm | — x2







49

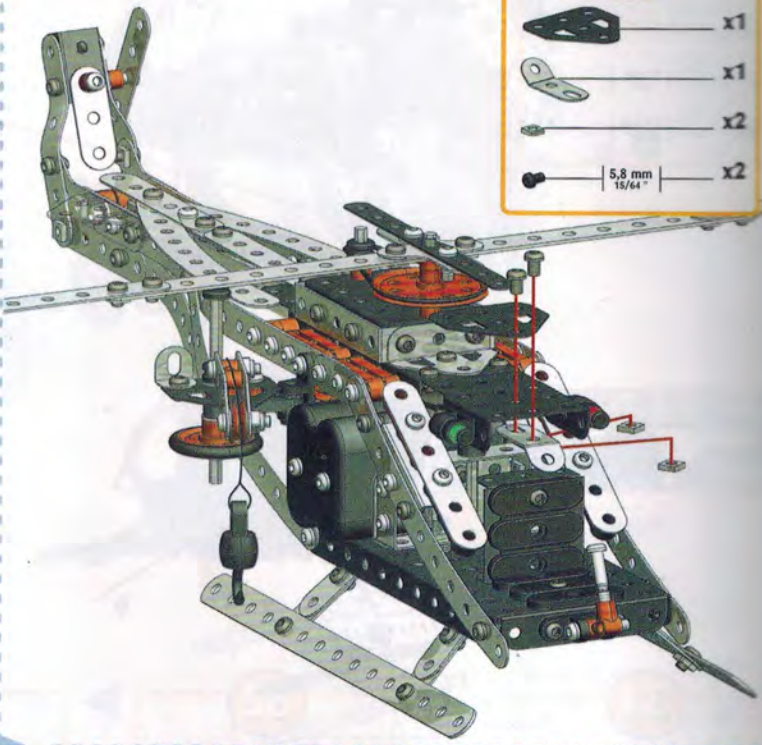
36

-  x1
-  x1
-  x2
-  | 23 mm | 29/32" | x1
-  | 19 mm | 3/4" | x1
-  | 5.8 mm | 15/64" | x1








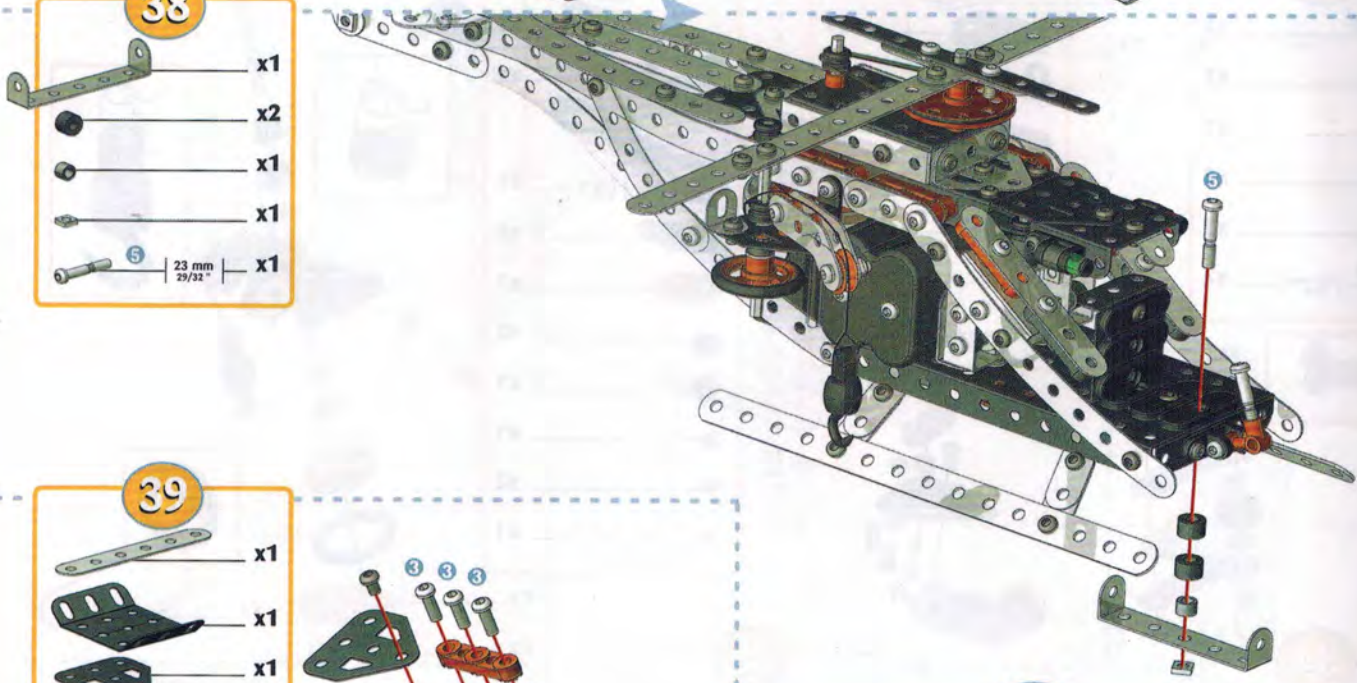
37

-  x1
-  x1
-  x2
-  | 5.8 mm | 15/64" | x2



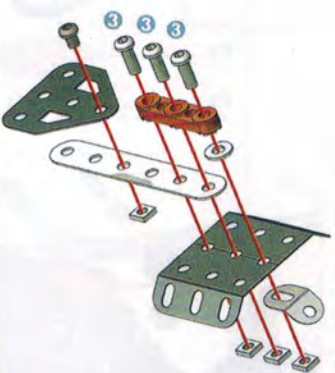
38

-  x1
-  x2
-  x1
-  x1
-  | 23 mm | 29/32" | x1



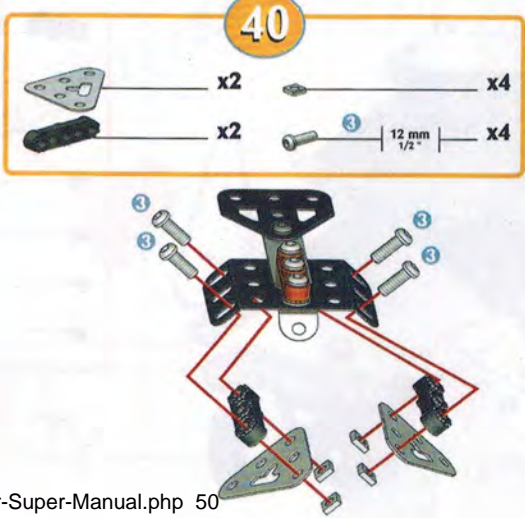
39

-  x1
-  x1
-  x1
-  x1
-  x1
-  x1
-  x4
-  | 12 mm | 1/2" | x3
-  | 5.8 mm | 15/64" | x1



40

-  x2
-  x2
-  | 12 mm | 1/2" | x4
-  x4



50



1

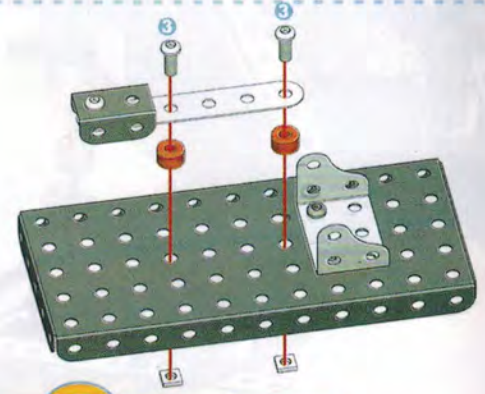
- x1 [Part: 1-hole Technic beam, 15 holes]
- x1 [Part: L-shaped Technic bracket]
- x2 [Part: 5.8 mm Technic pin]
- x2 [Part: 5.8 mm Technic pin]

2

- x1 [Part: 1-hole Technic beam, 15 holes]
- x1 [Part: L-shaped Technic bracket]
- x1 [Part: 5.8 mm Technic pin]
- x1 [Part: 5.8 mm Technic pin]
- x1 [Part: 12 mm Technic pin]

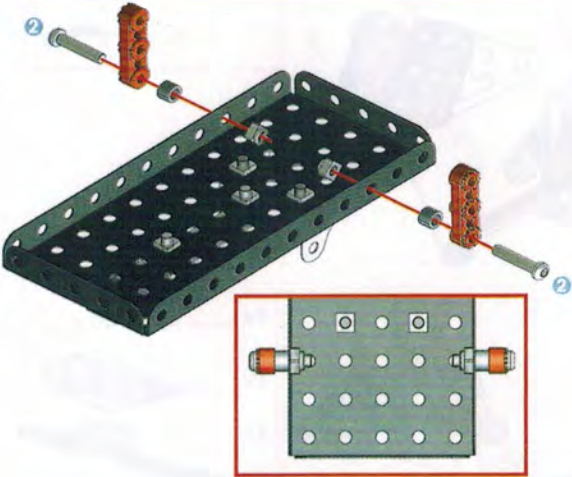
3

- x2 [Part: 5.8 mm Technic pin]
- x2 [Part: 5.8 mm Technic pin]
- x2 [Part: 12 mm Technic pin]



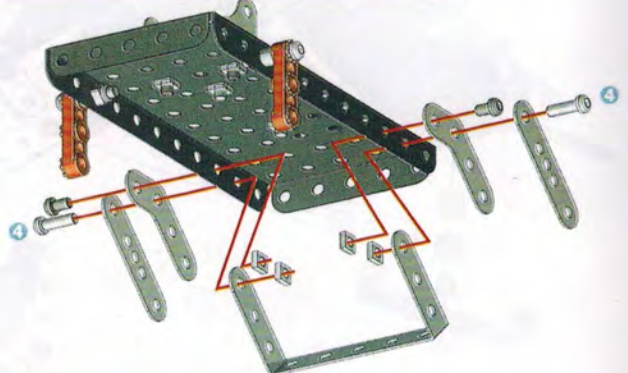
4

- x2 [Part: 19 mm Technic pin]
- x2 [Part: 19 mm Technic pin]
- x2 [Part: 19 mm Technic pin]
- x2 [Part: 19 mm Technic pin]



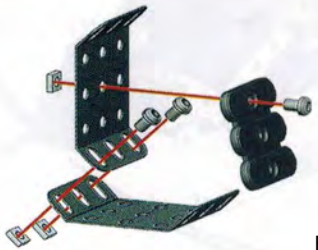
5

- x1 [Part: L-shaped Technic bracket]
- x2 [Part: 1-hole Technic beam, 15 holes]
- x2 [Part: 1-hole Technic beam, 15 holes]
- x4 [Part: 5.8 mm Technic pin]
- x2 [Part: 9.5 mm Technic pin]
- x2 [Part: 5.8 mm Technic pin]



6

- x2 [Part: L-shaped Technic bracket]
- x1 [Part: L-shaped Technic bracket]
- x3 [Part: 5.8 mm Technic pin]
- x3 [Part: 5.8 mm Technic pin]

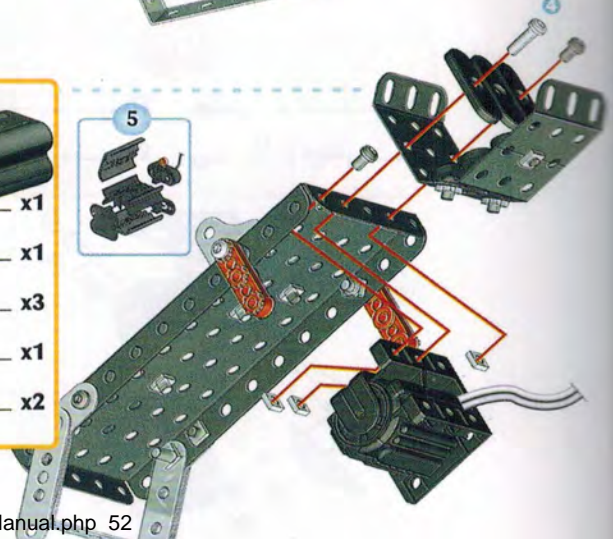


7

- x1 [Part: Motor]
- x1 [Part: Motor]
- x1 [Part: L-shaped Technic bracket]
- x3 [Part: 5.8 mm Technic pin]
- x1 [Part: 9.5 mm Technic pin]
- x2 [Part: 5.8 mm Technic pin]

5

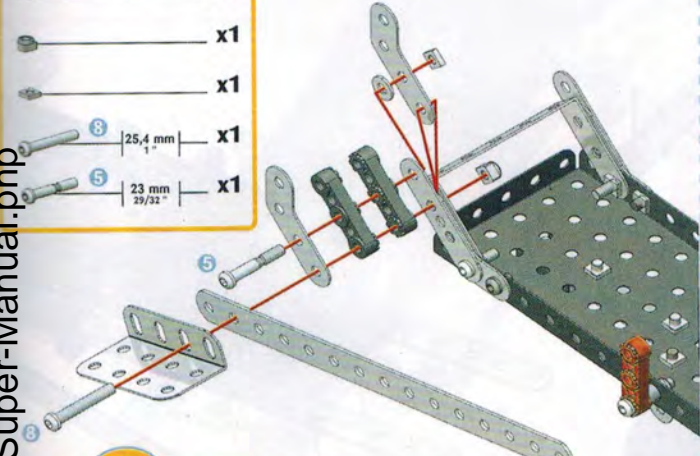
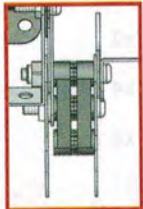
- [Part: 1-hole Technic beam, 15 holes]
- [Part: L-shaped Technic bracket]
- [Part: 5.8 mm Technic pin]



52

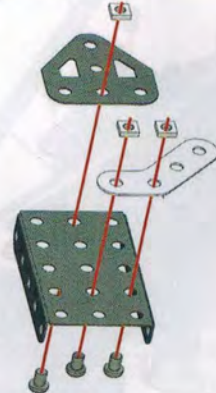
8

- x1
- x1
- x2
- x2
- x1
- x1
- x1
- x1
- x1
- x1
- x1
- x1
- x1
- x1



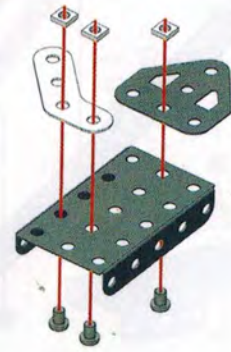
9

- x1
- x1
- x1
- x3
- x3



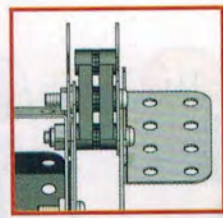
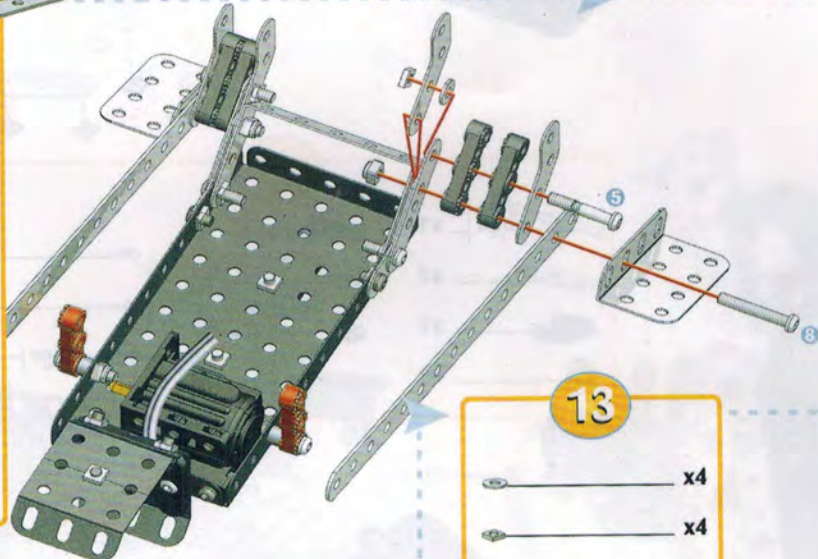
10

- x1
- x1
- x1
- x3
- x3



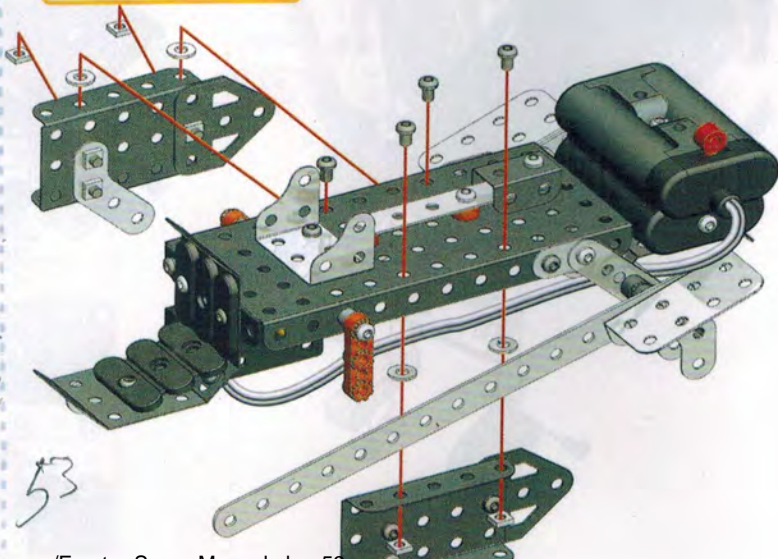
11

- x1
- x1
- x2
- x2
- x1
- x1
- x1
- x1
- x1
- x1
- x1
- x1
- x1
- x1



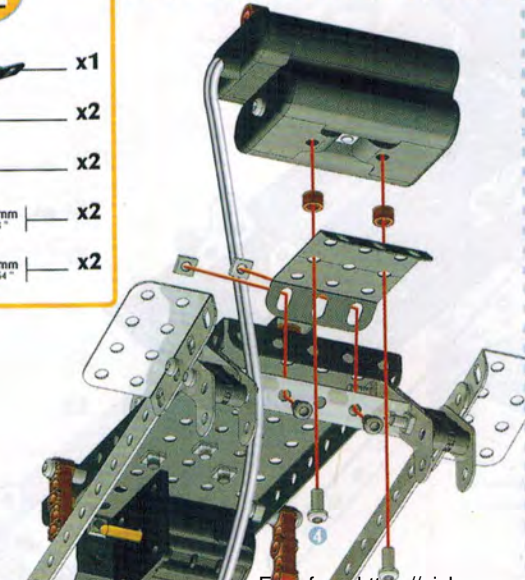
13

- x4
- x4
- x4



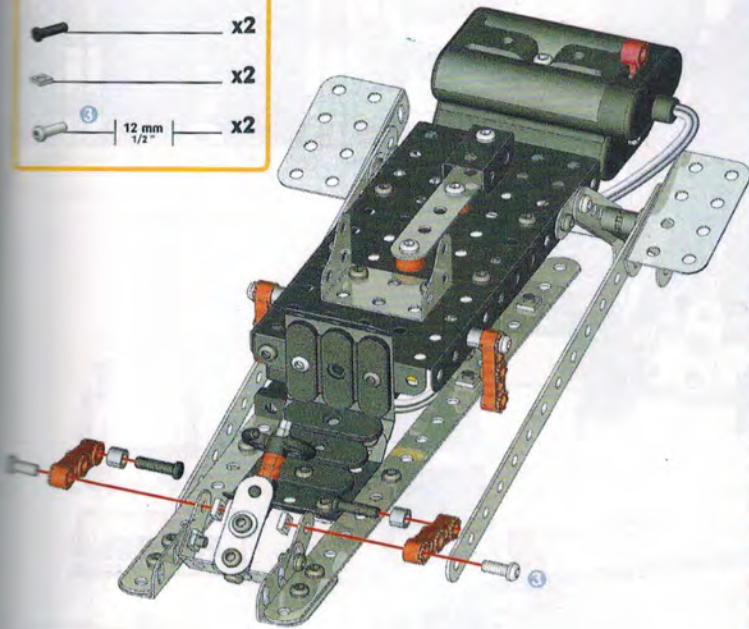
12

- x1
- x2
- x2
- x2
- x2
- x2




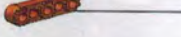




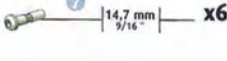


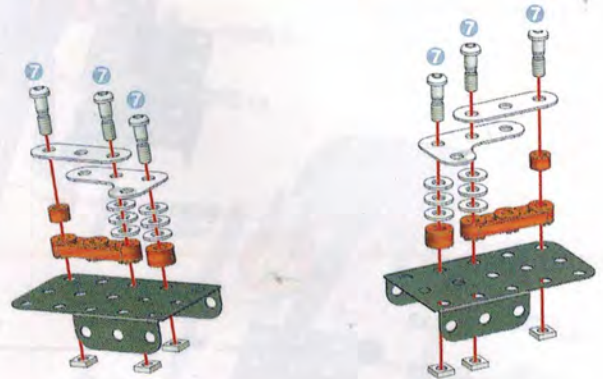
19

-  x2
-  x2
-  x2
-  x2
-  x2






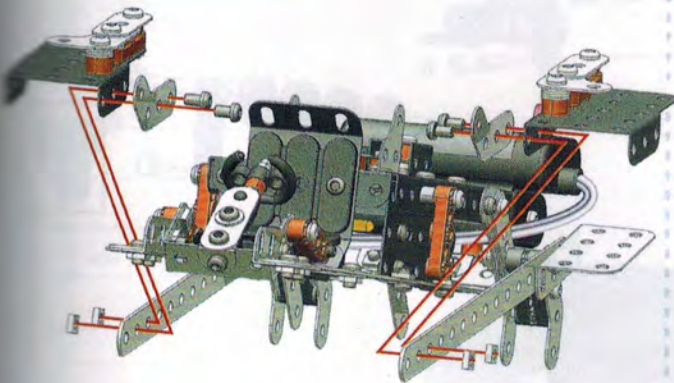
20

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






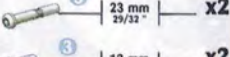



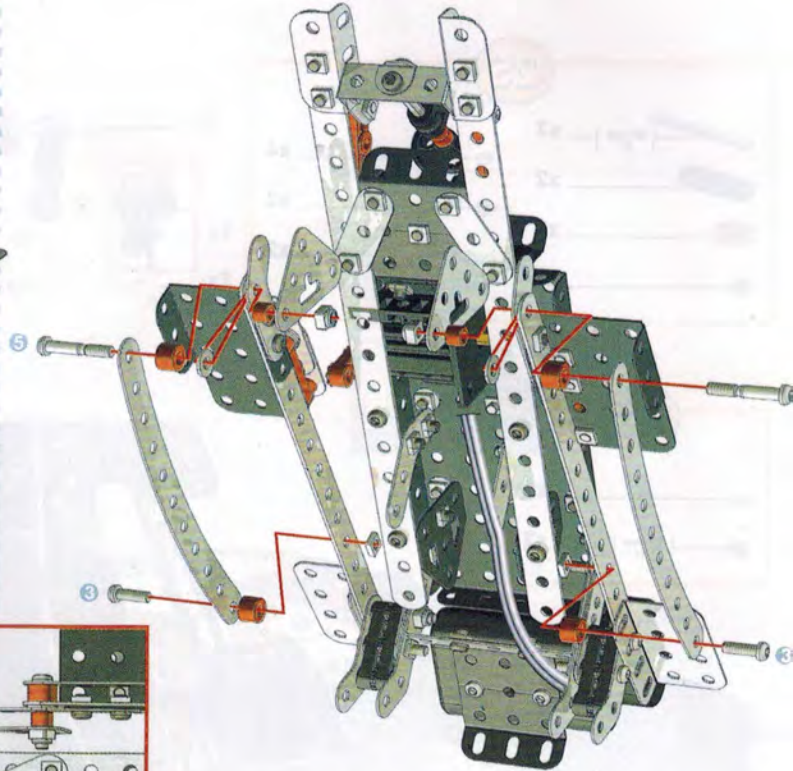
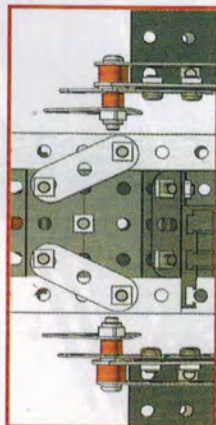
21

-  x2
-  x4
-  x4









22

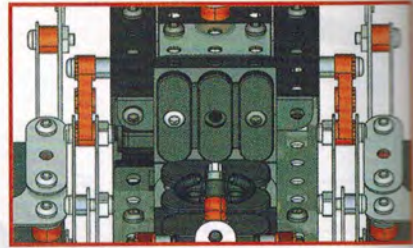
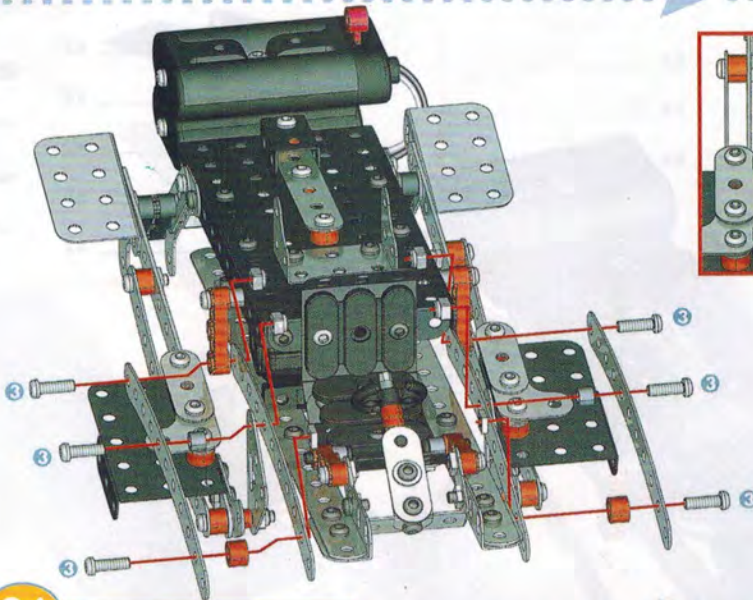
-  x2
-  x2
-  x4
-  x2
-  x2
-  x2
-  x2



55

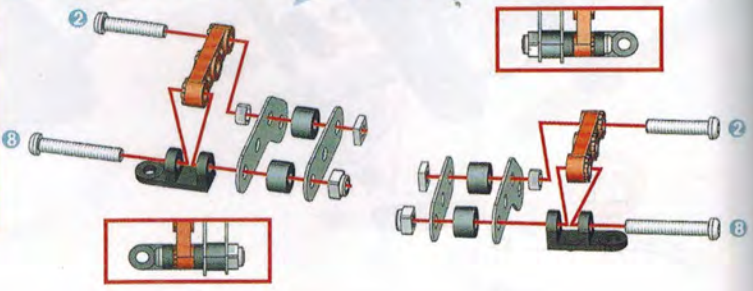
23

-  x4
 -  x2
 -  x2
 -  x4
 -  x2
 -  x6
- 12 mm | 1/2"











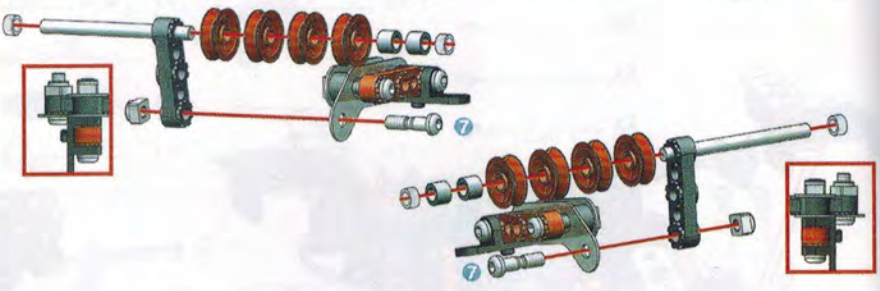
24

-  x2
 -  x2
 -  x2
 -  x2
 -  x4
 -  x2
 -  x2
 -  x2
 -  x2
 -  x2
 -  x2
 -  x2
- 25,4 mm | 1"
- 19 mm | 3/4"





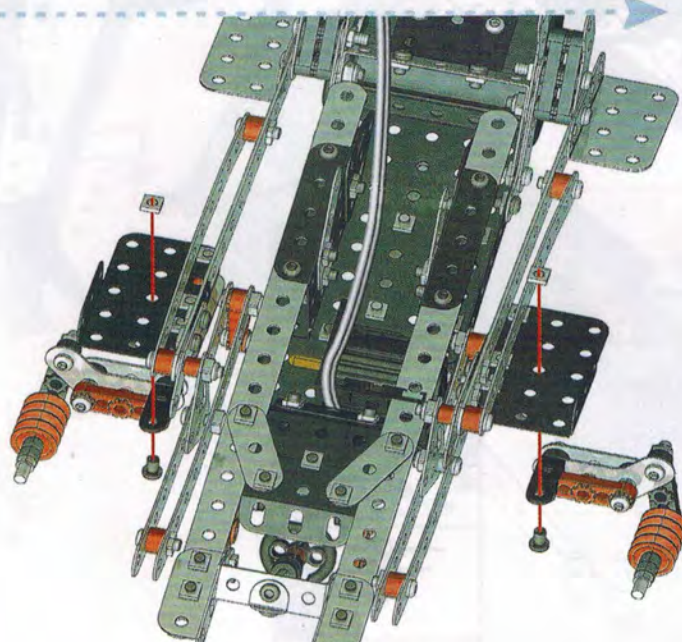
25

-  50 mm | 2" x2
 -  x2
 -  x8
 -  x4
 -  x4
 -  x2
 -  x2
 -  x2
- 14,7 mm | 9/16"



26

-  x2
-  5,8 mm | 15/64" x2



56

27

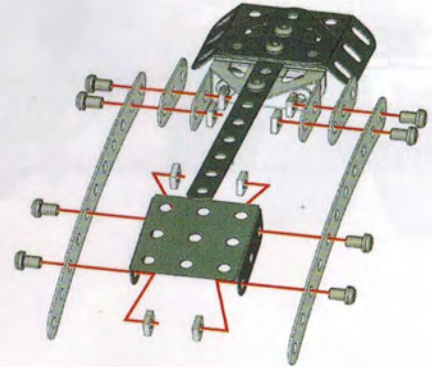
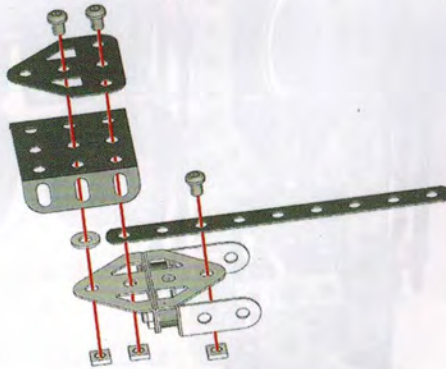
- x1
- x2
- x2
- x2
- x2
- x2

28

- x1
- x1
- x1
- x1
- x1
- x3
- x3

29

- x2
- x1
- x2
- x8
- x8

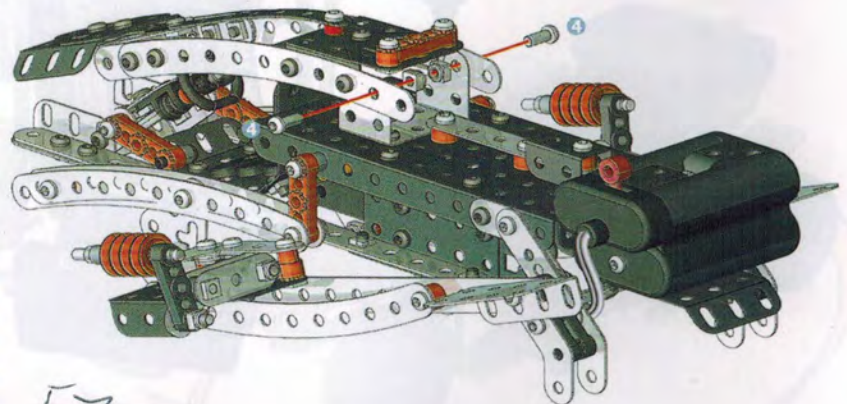
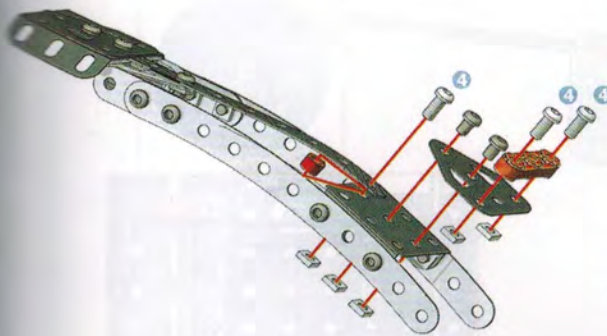
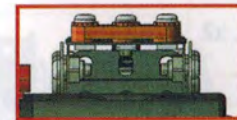


30

- x1
- x1
- x1
- x5
- x3
- x2


31

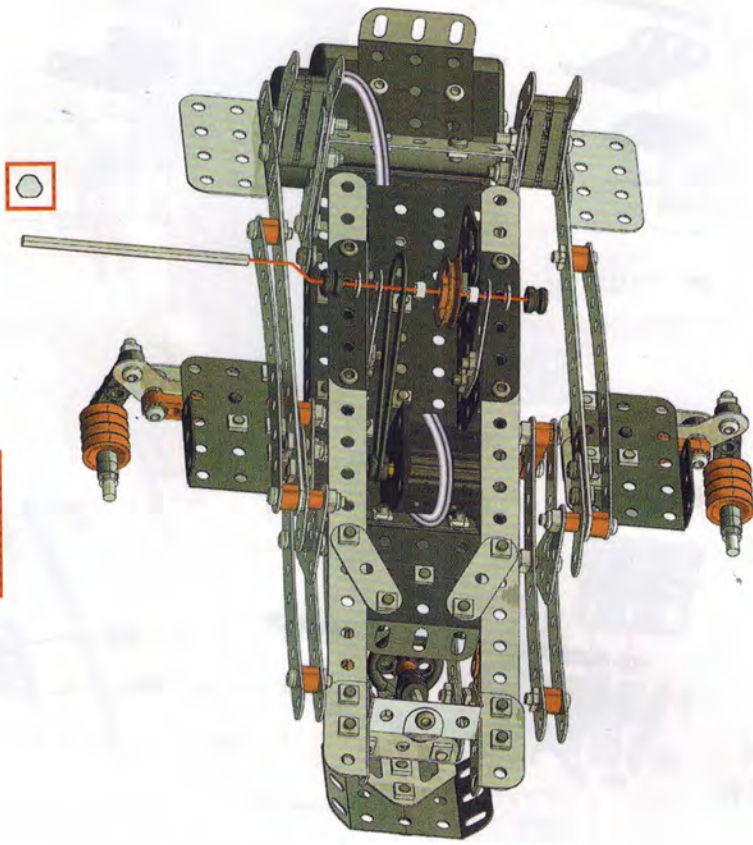
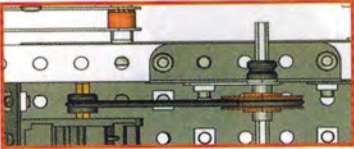
- x2
- x2








57

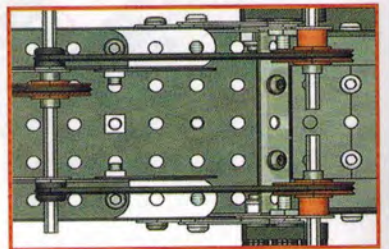
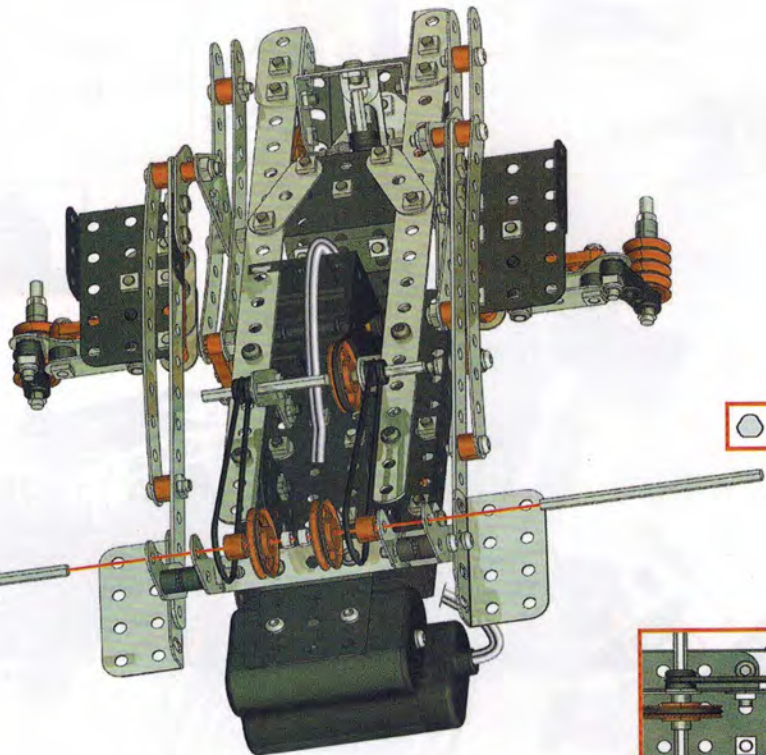
32

-  x1
-  75 mm $\frac{3}{4}$ " x1
-  x1
-  x2
-  x2
-  x2



33

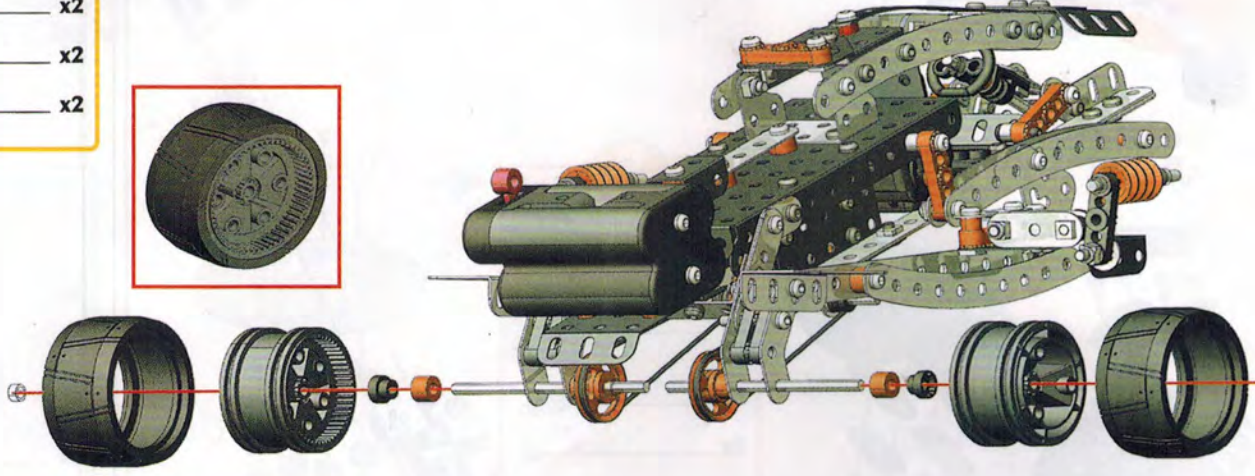
-  x2
-  75 mm $\frac{3}{4}$ " x2
-  x2
-  x2
-  x2








58

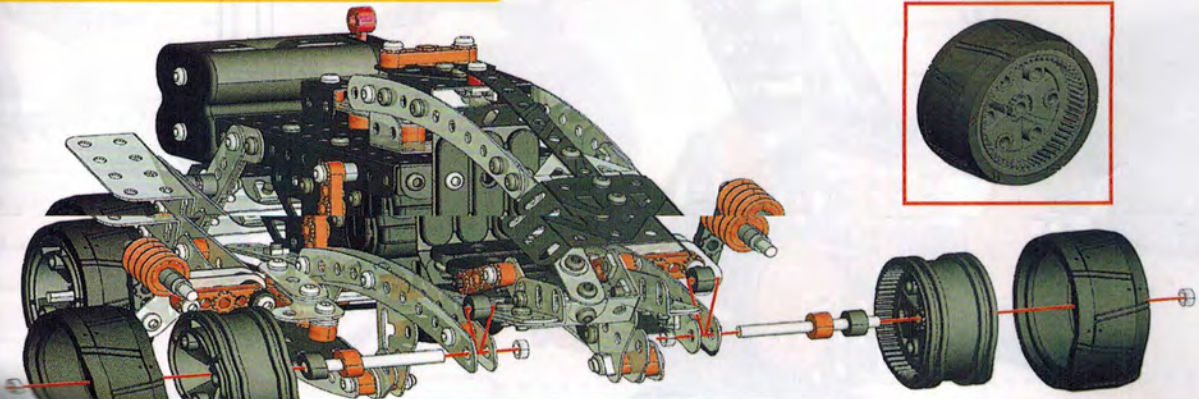
34

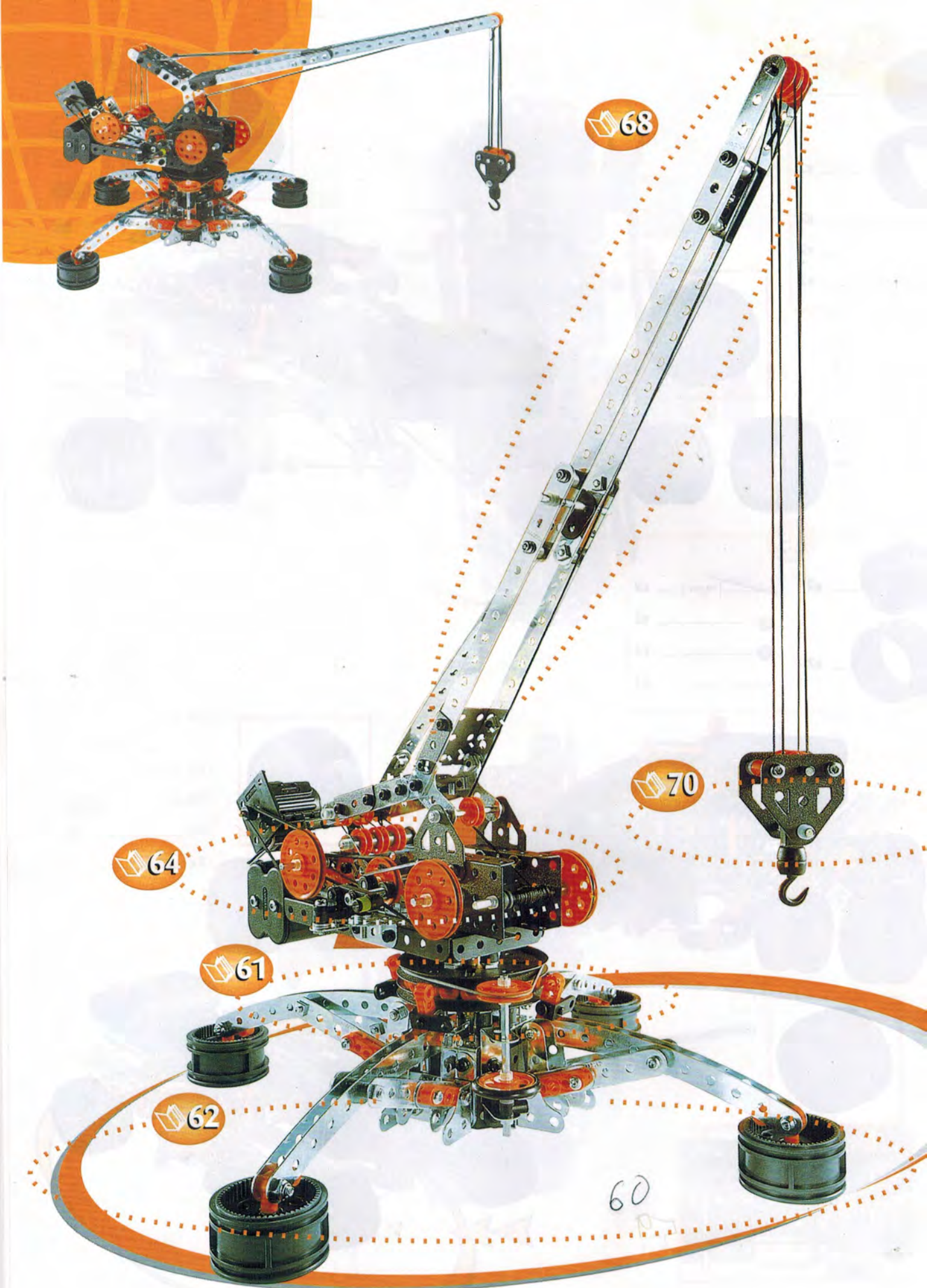
-  x2
-  x2
-  x2
-  x2
-  x2

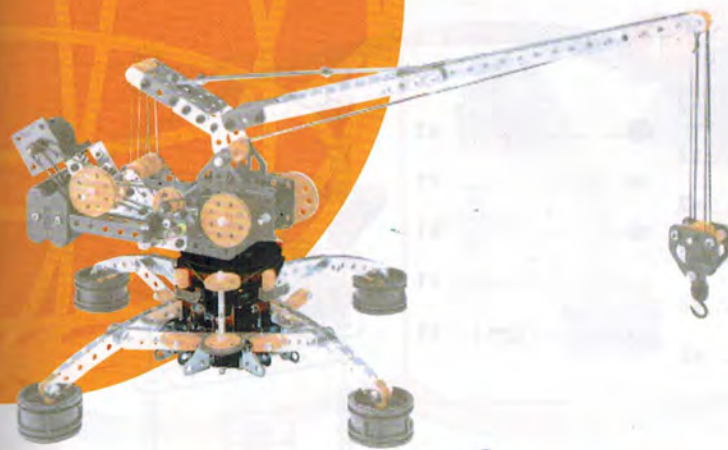


35

-  x2
-  x2
-  50 mm x2
-  x2
-  x4
-  x4



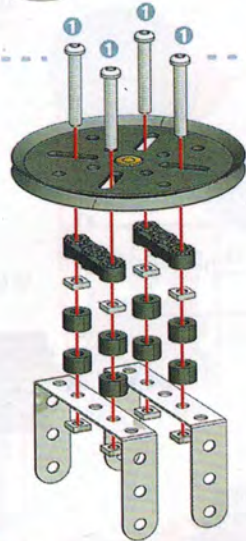




1

- x2
- x1
- x2
- x8
- x8
- x4

28 mm
1 1/8"

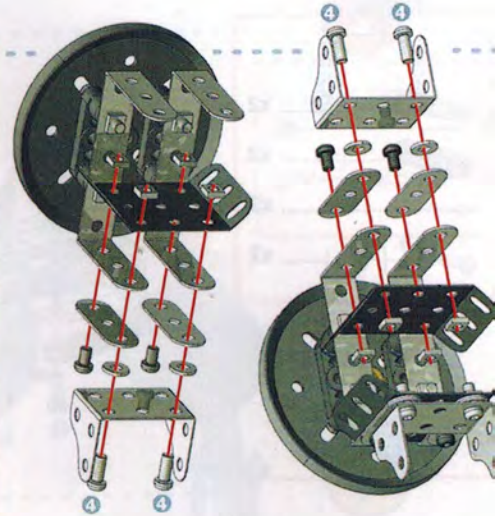


2

- x2
- x2
- x4
- x8
- x4
- x4
- x4

9,5 mm
3/8"

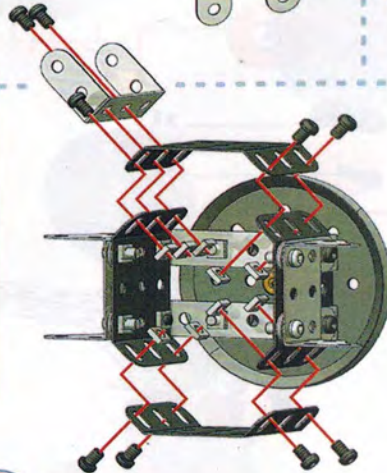
5,8 mm
15/64"



3

- x2
- x1
- x9
- x9

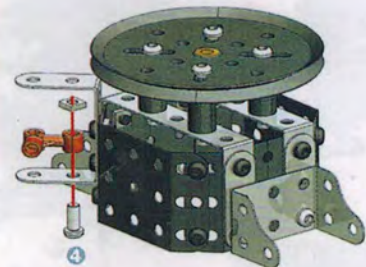
5,8 mm
15/64"



4

- x1
- x1
- x1

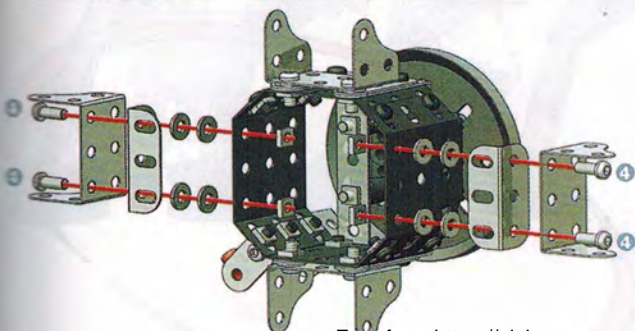
9,5 mm
3/8"



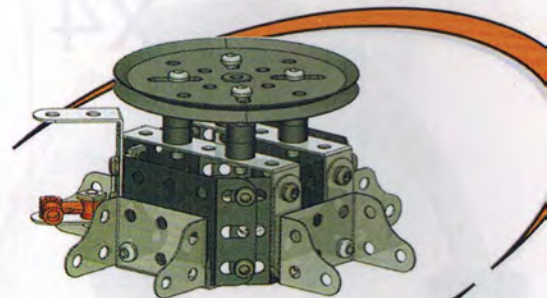
5

- x2
- x2
- x4
- x8
- x4












9,5 mm
3/8"

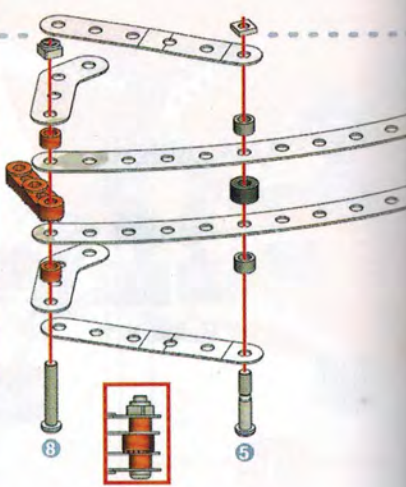


61

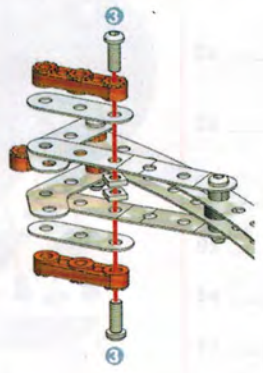




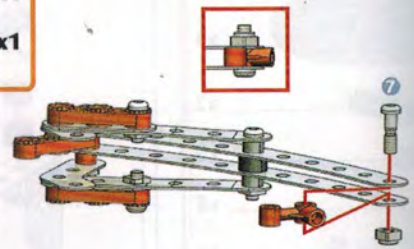
- 1**
-  x2
 -  x2
 -  x2
 -  x1
 -  x2
 -  x2
 -  x1
 -  x1
 -  x1
 -  25,4 mm x1
 -  23 mm x1



- 2**
-  x2
 -  x2
 -  x2
 -  12 mm x2



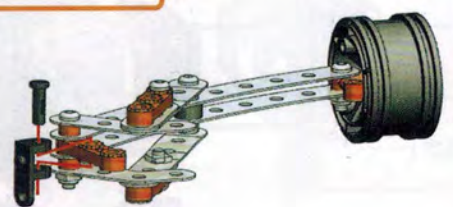
- 3**
-  x1
 -  x1
 -  14,7 mm x1



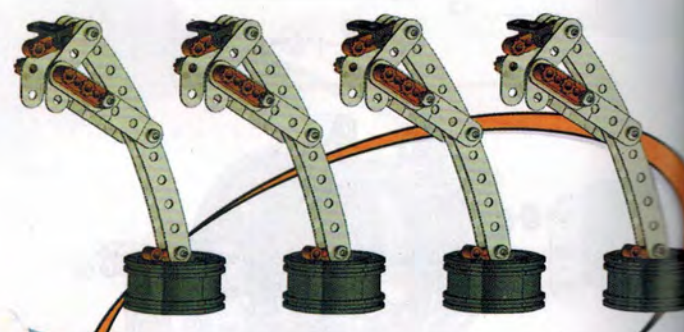
- 4**
-  x1
 -  19 mm x1

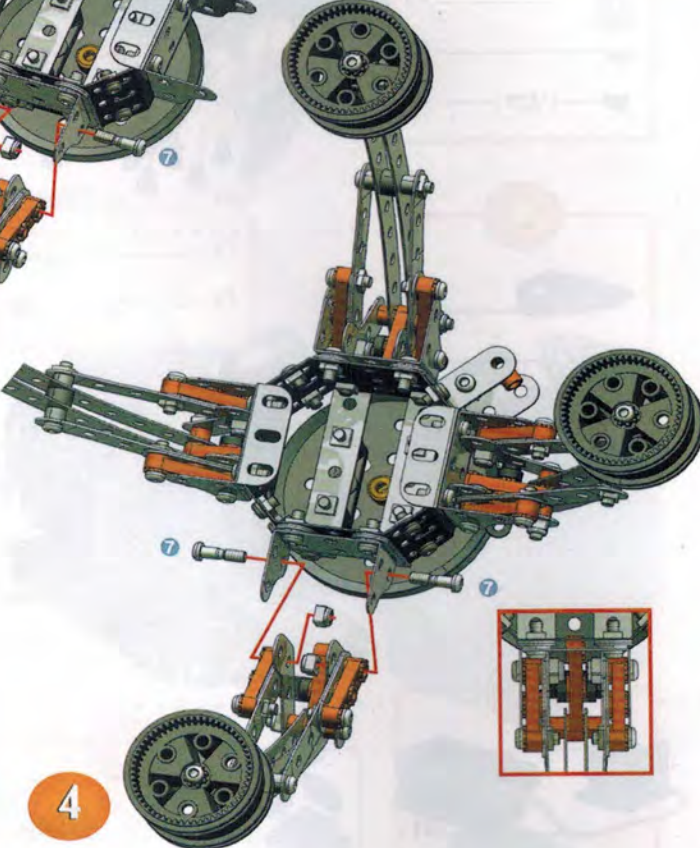
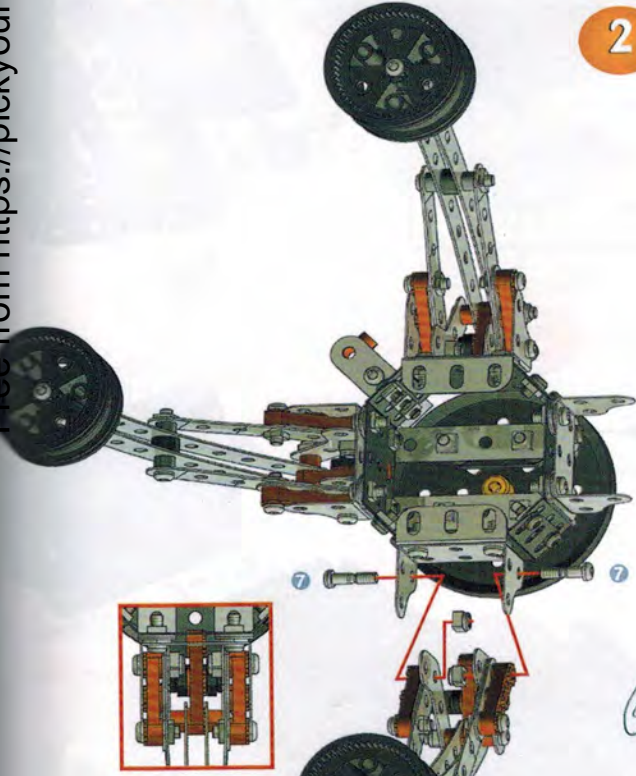
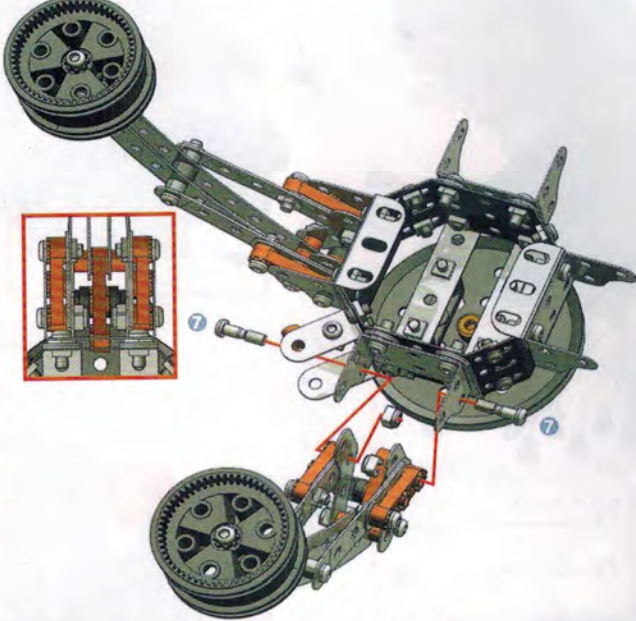
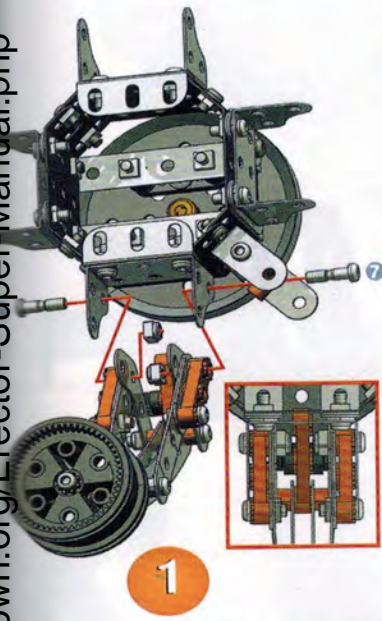
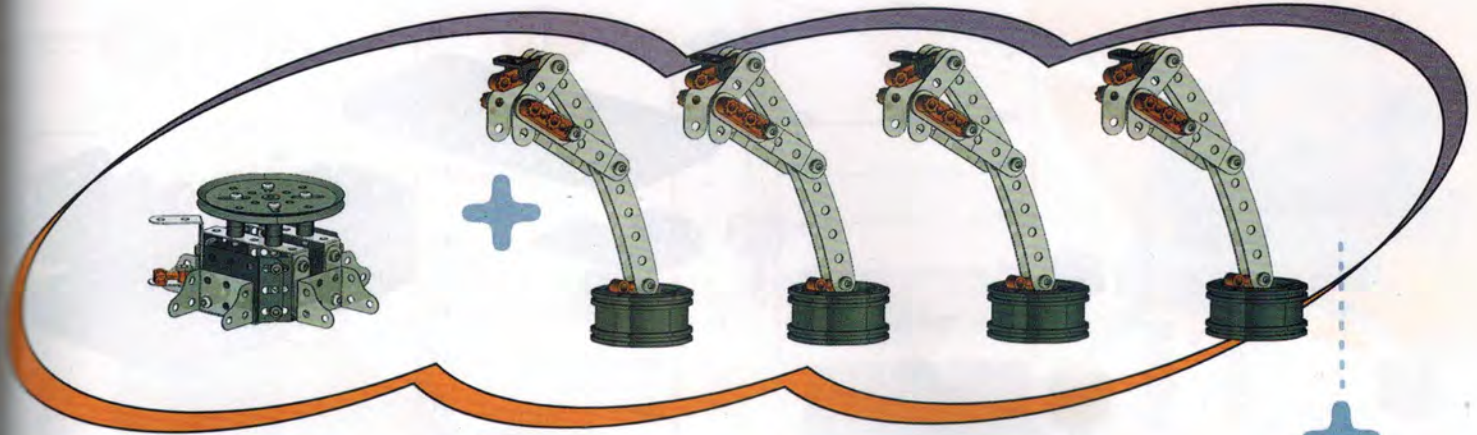




- 5**
-  x1
 -  x1



62

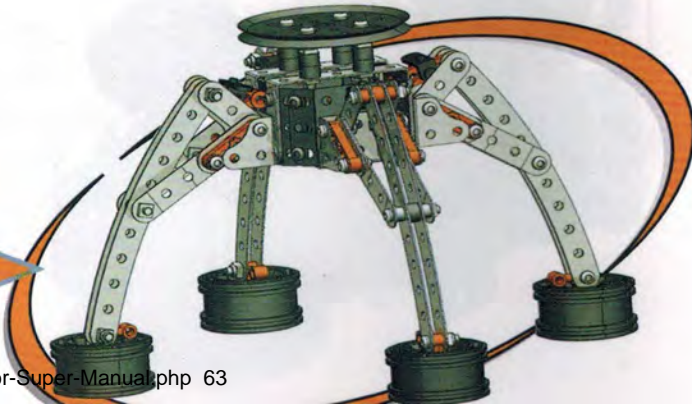




-  x8
-  14,7 mm $\frac{9}{16}$ " x8

3

63





1

- 1 x1
- 1 x1
- 1 x1
- 4 x4
- 4 x4 (5,8 mm 15/64")

2

- 2 x2
- 2 x2
- 1 x1
- 9 x9
- 9 x9 (5,8 mm 15/64")

3

- 2 x2
- 4 x4
- 4 x4 (5,8 mm 15/64")

4

- 2 x2
- 2 x2
- 8 x8
- 8 x8 (5,8 mm 15/64")

5

- 2 x2
- 2 x2
- 1 x1
- 3 x3
- 1 x1 (12 mm 1/2")
- 2 x2 (9,5 mm 3/8")

6

- 1 x1
- 1 x1
- 2 x2
- 2 x2 (5,8 mm 15/64")

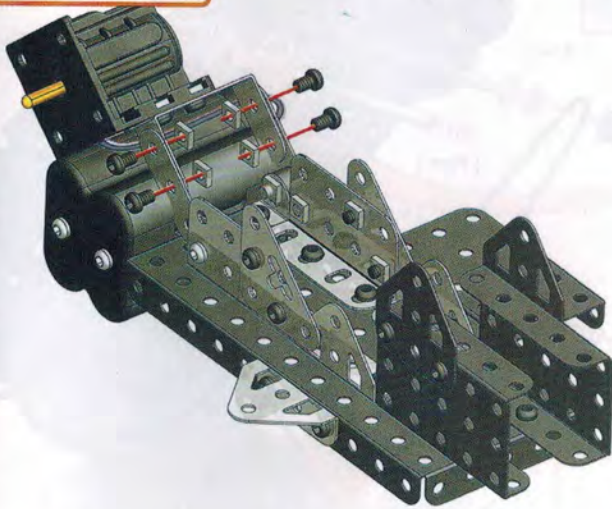
5

7

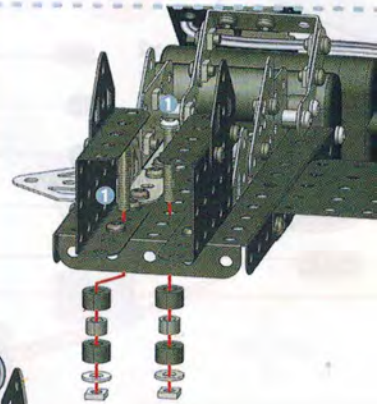
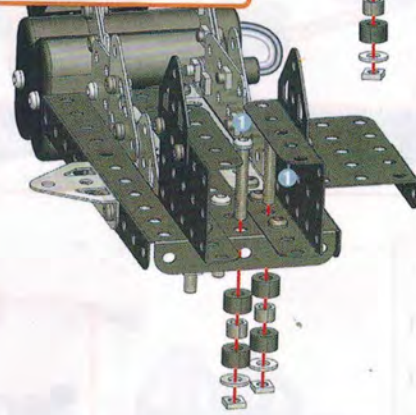
- 2 x2 (5,8 mm 15/64")

64

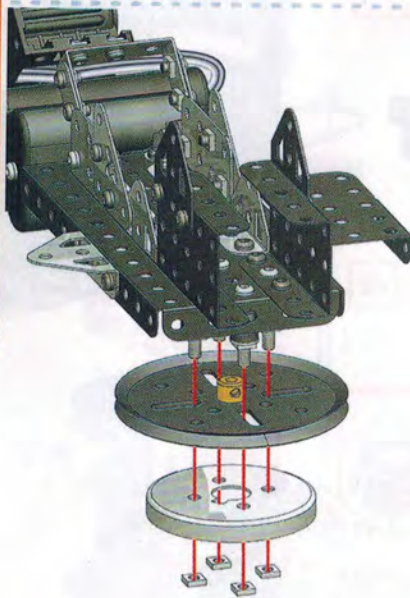
- 8**
- x4
 - 5,8 mm 15/64" — x4



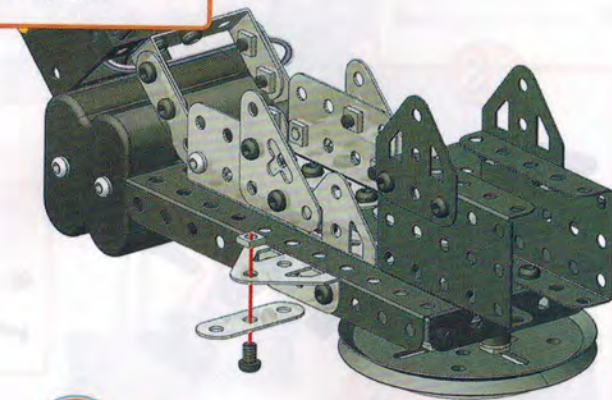
- 9**
- x4
 - x8
 - x4
 - x4
 - 1 28 mm 1 1/8" — x4



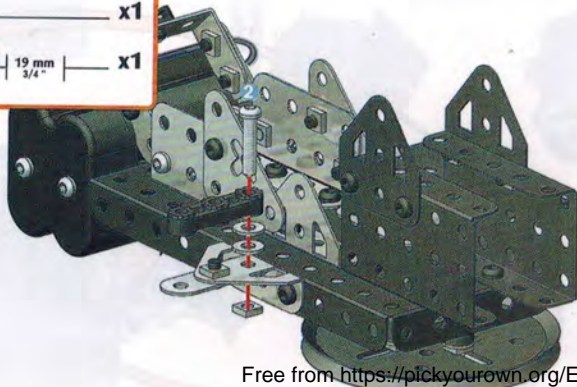
- 10**
- x1
 - x1
 - x4



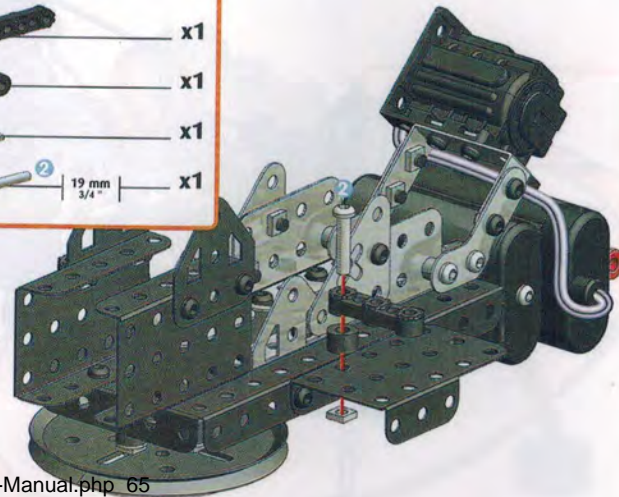
- 11**
- x1
 - x1
 - 5,8 mm 15/64" — x1



- 12**
- x1
 - x2
 - x1
 - 2 19 mm 3/4" — x1













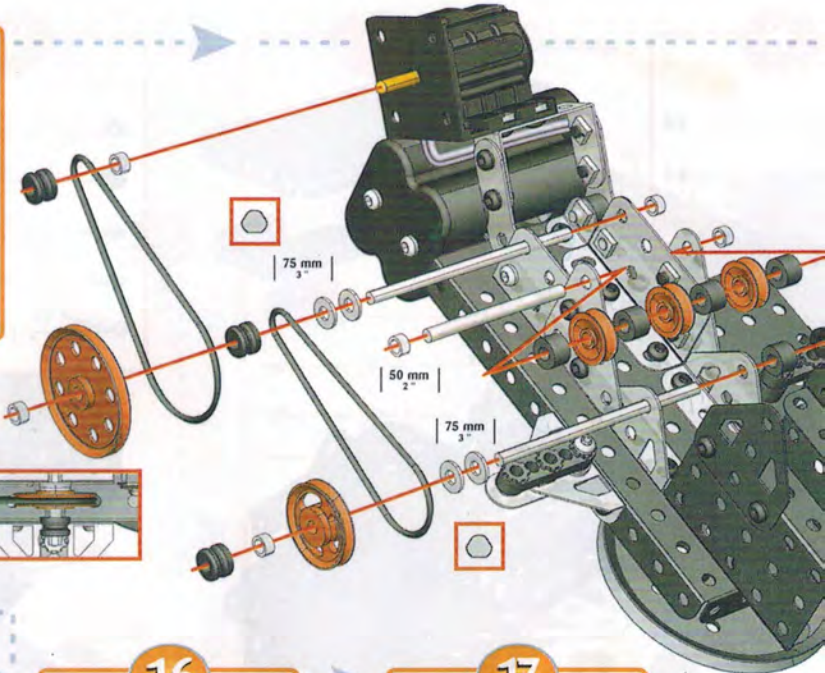
- 13**
- x1
 - x1
 - x1
 - 2 19 mm 3/4" — x1



65

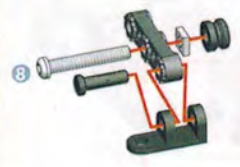
14

-  x2
-  x2
-  x1
-  x1
-  x1
-  x3
-  x5
-  x4
-  x6
-  x4



15

-  x1
-  x1
-  x1
-  x1
-  x1
-  x1






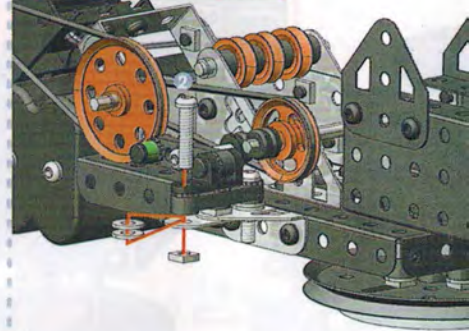
16

-  x1
-  x1



17

-  x2
-  x1
-  x1



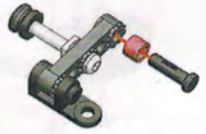
18

-  x1
-  x1
-  x1
-  x1
-  x1
-  x1



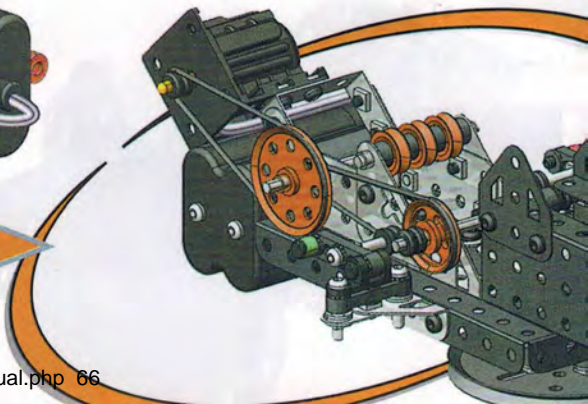
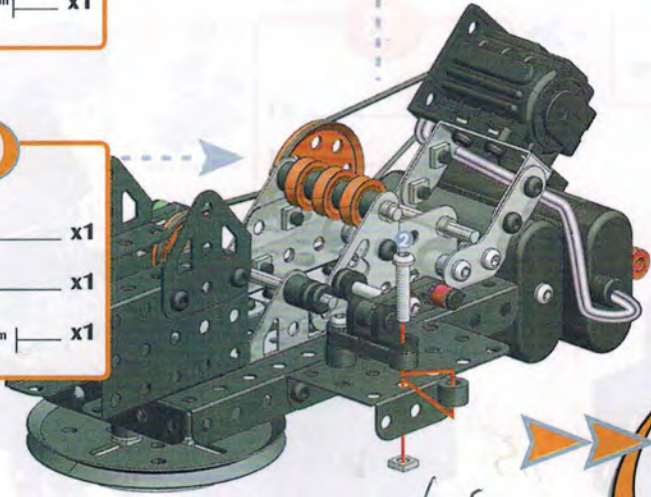
19

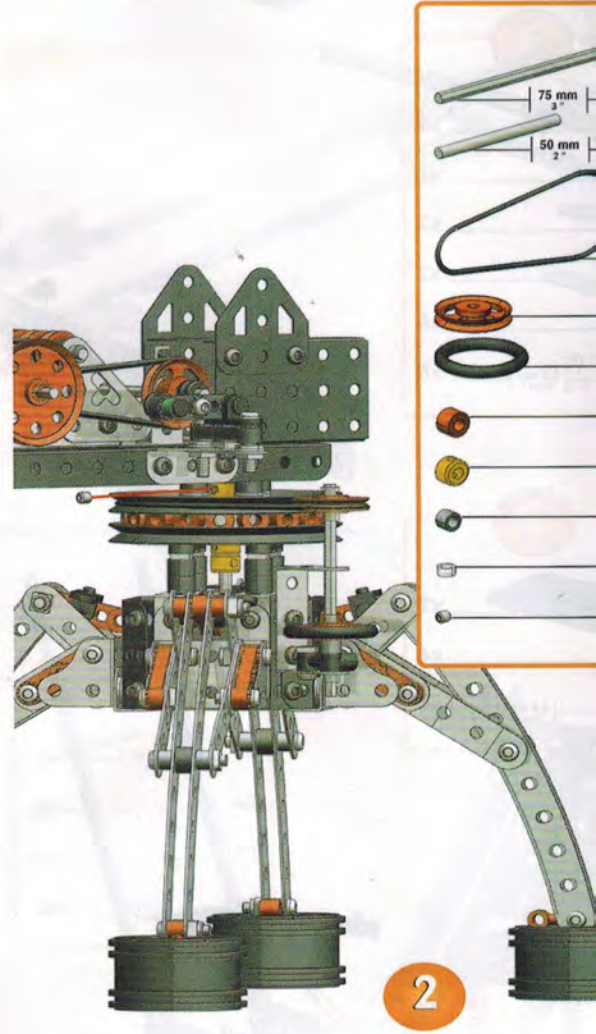
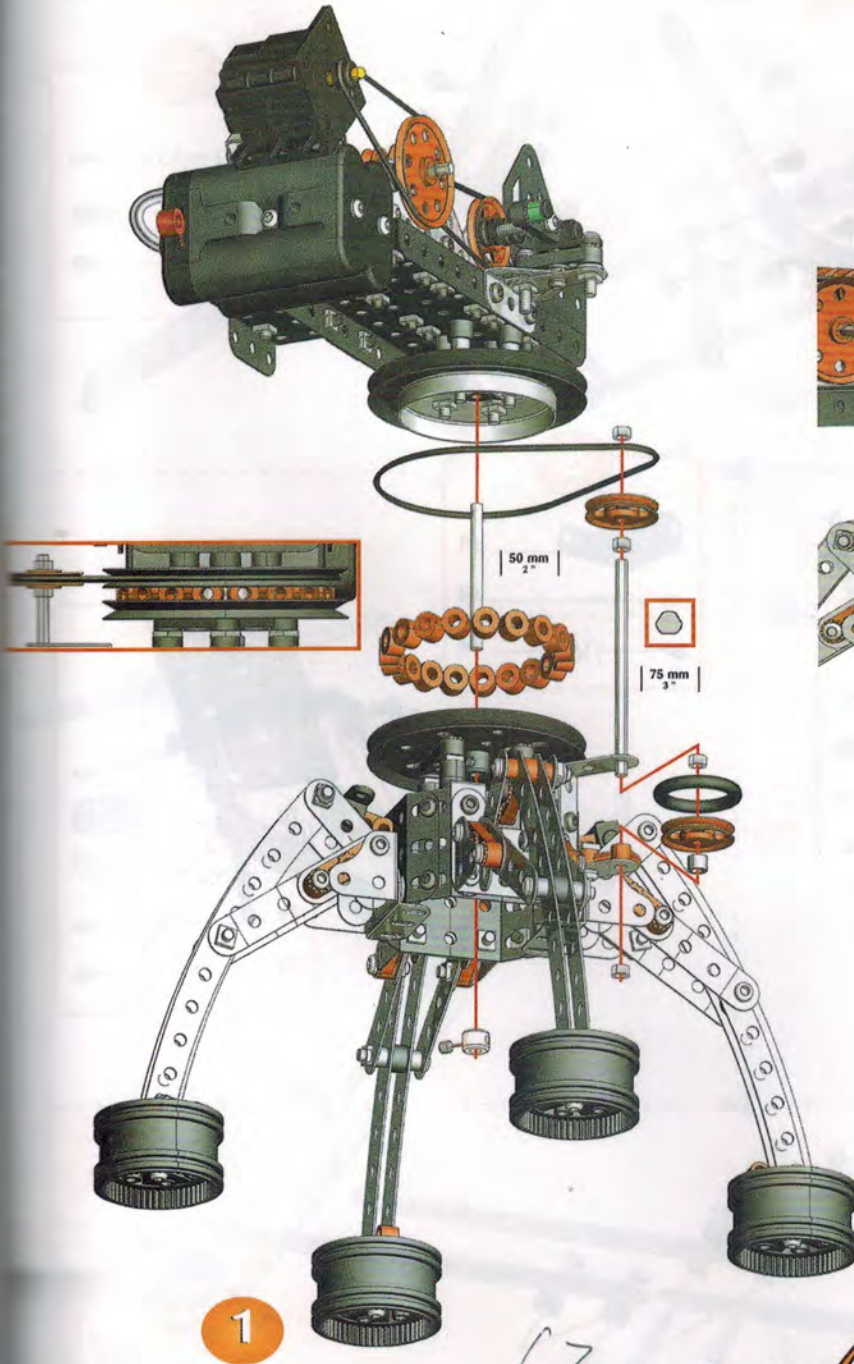
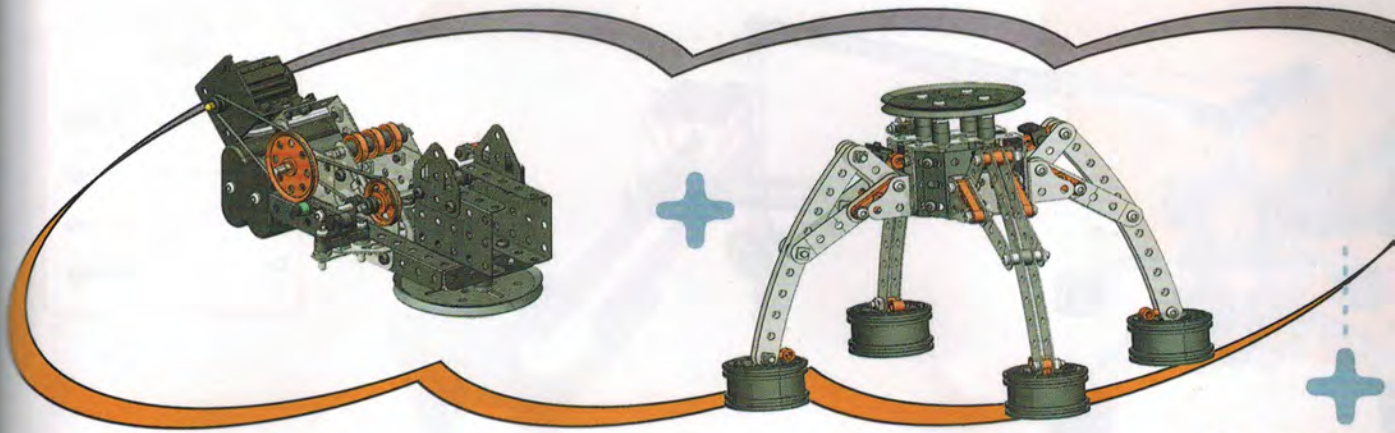
-  x1
-  x1



20

-  x1
-  x1
-  x1

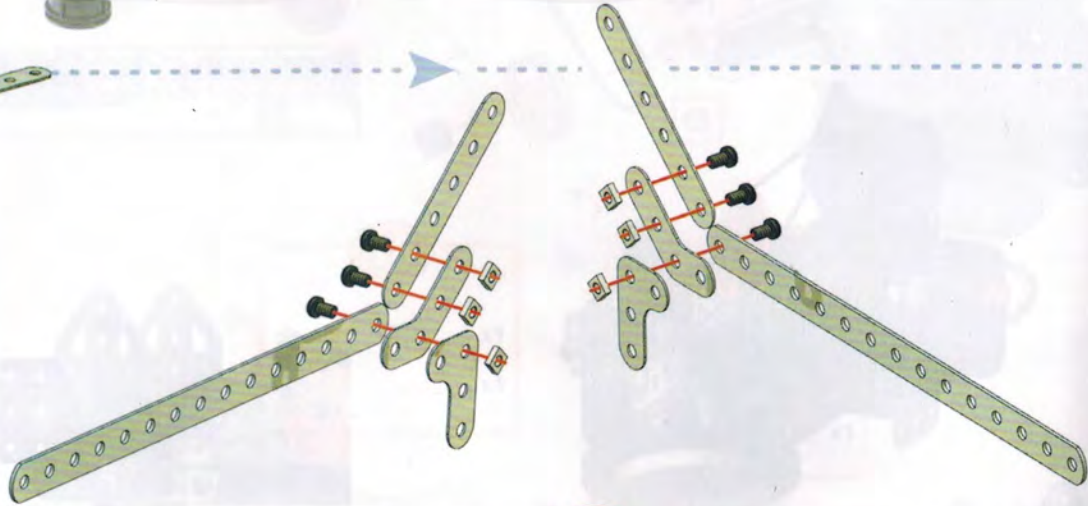




67



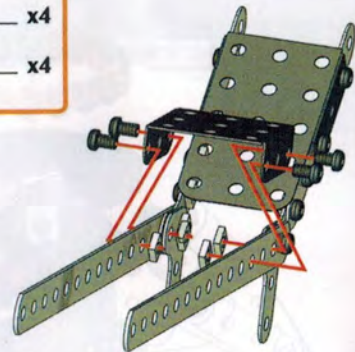
- 1**
- x2
 - x2
 - x2
 - x2
 - x6
 - x6
- 5,8 mm
15/64"



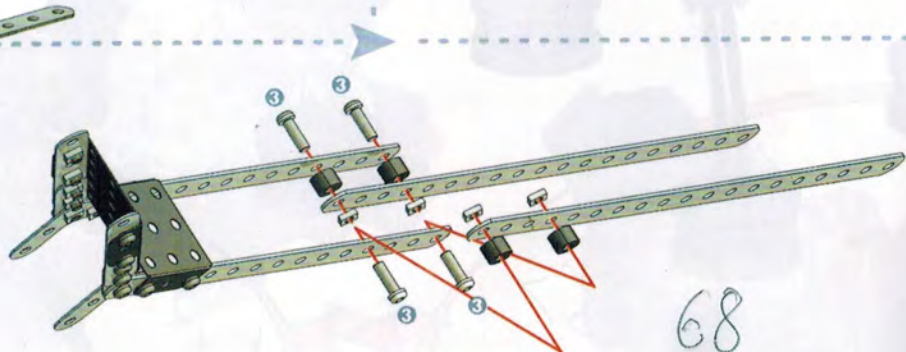
- 2**
- x1
 - x4
 - x4
- 5,8 mm
15/64"







- 3**
- x1
 - x4
 - x4
- 5,8 mm
15/64"

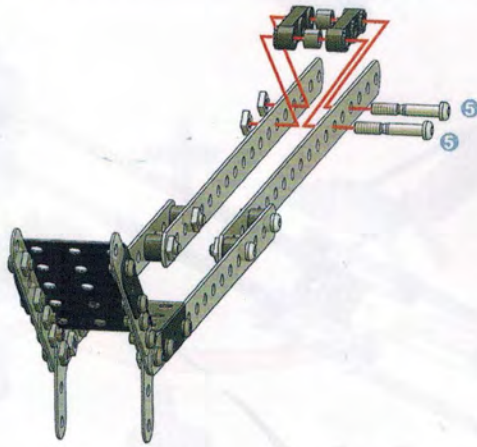


- 4**
- x2
 - x4
 - x4
 - x4
- 12 mm
1/2"






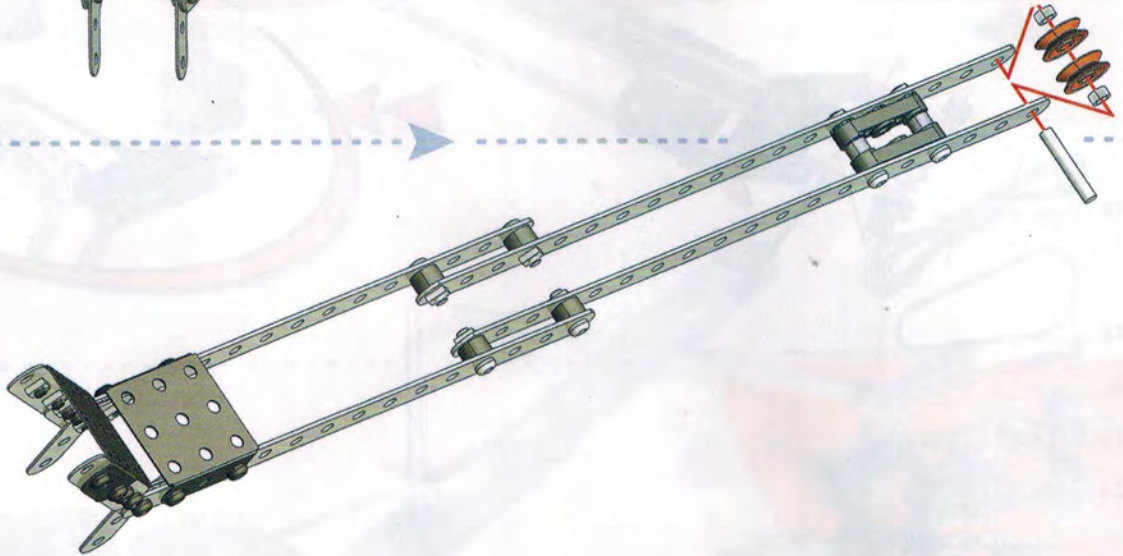
5

-  x2
-  x2
-  x2
-  23 mm | 29/32" x2




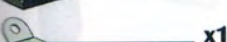

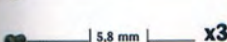


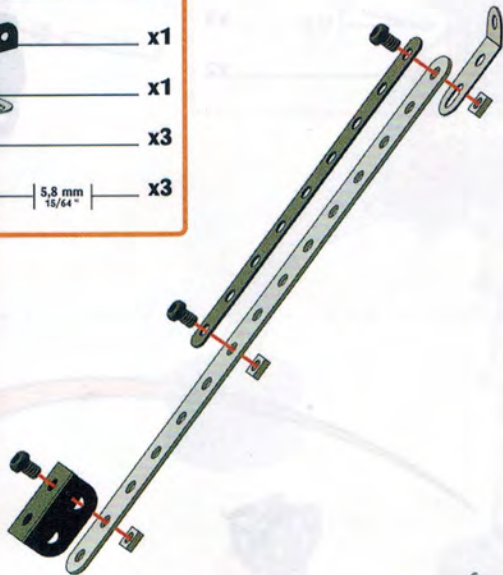
6

-  25 mm | 1" x1
-  x2
-  x2







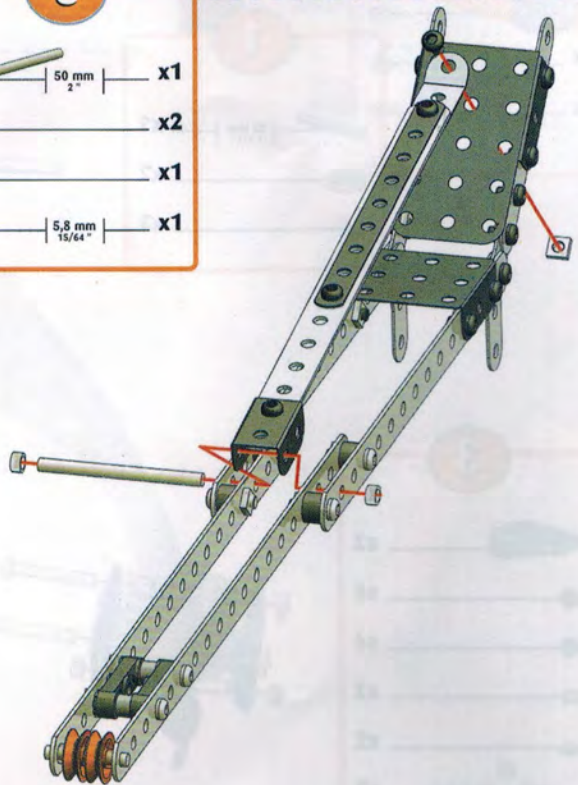
7

-  x1
-  x1
-  x1
-  x1
-  x3
-  5,8 mm | 15/64" x3





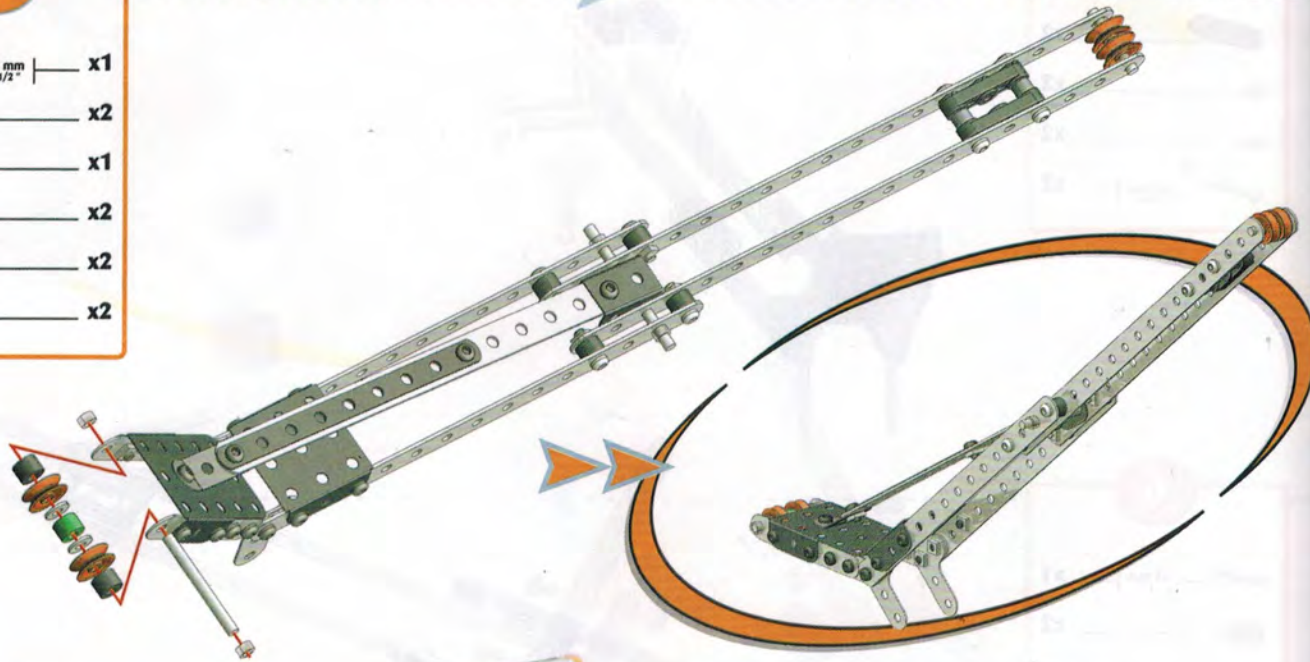
8

-  50 mm | 2" x1
-  x2
-  x1
-  5,8 mm | 15/64" x1






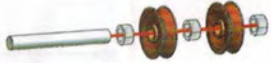
9

-  x1
-  x2
-  x1
-  x2
-  x2
-  x2






1

-  x1
-  x2
-  x3



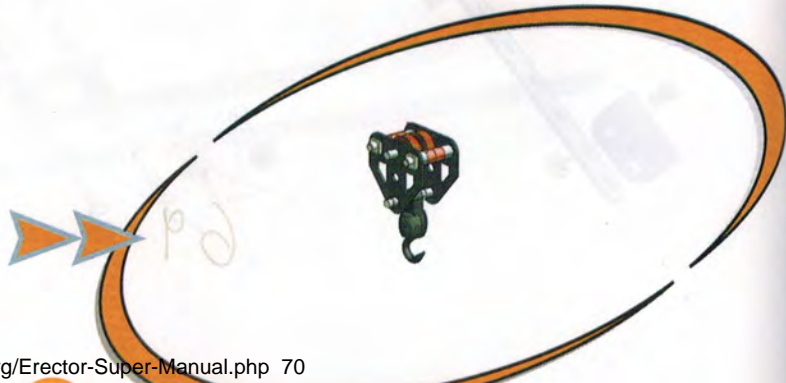
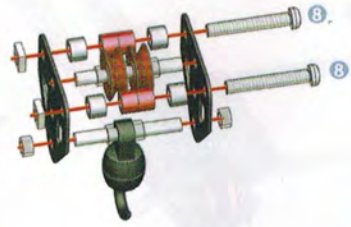
2

-  x1
-  x1
-  x2

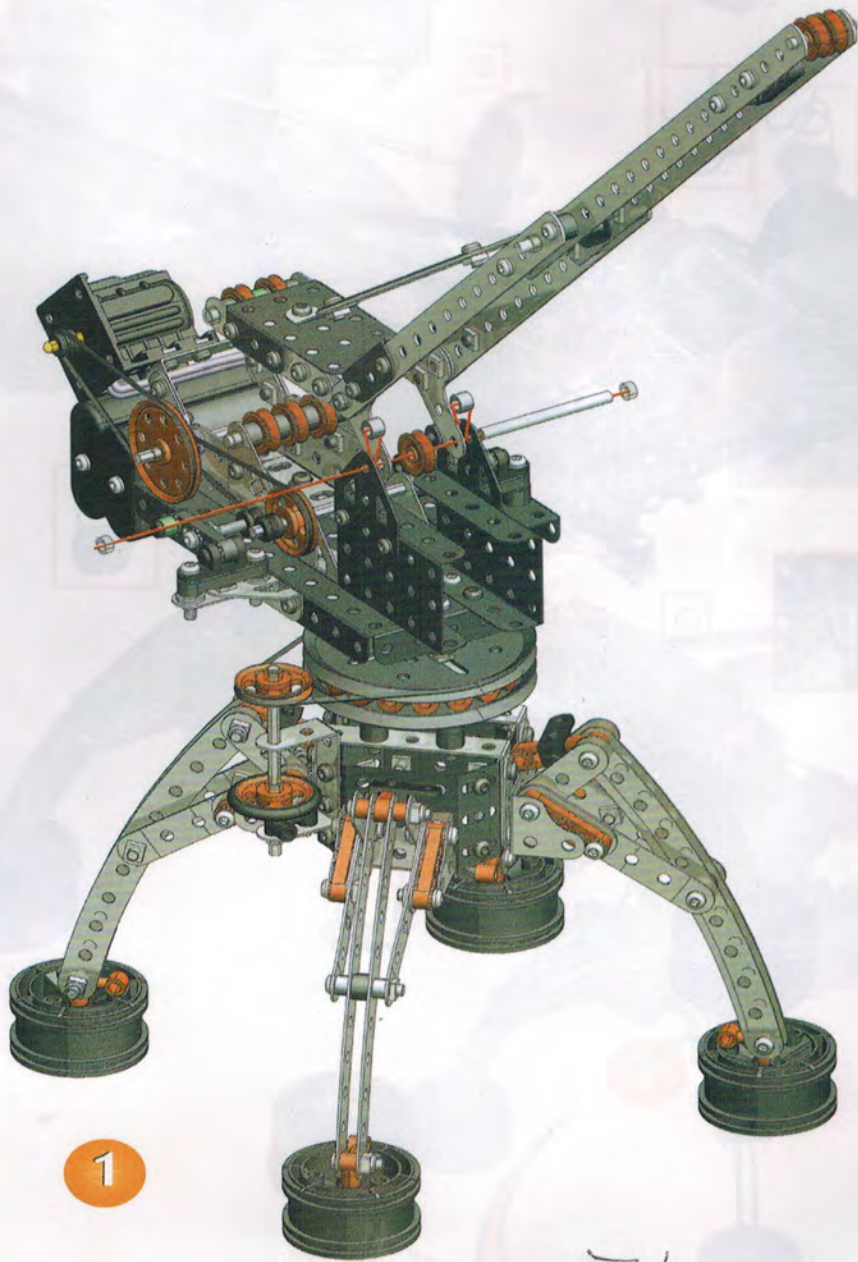
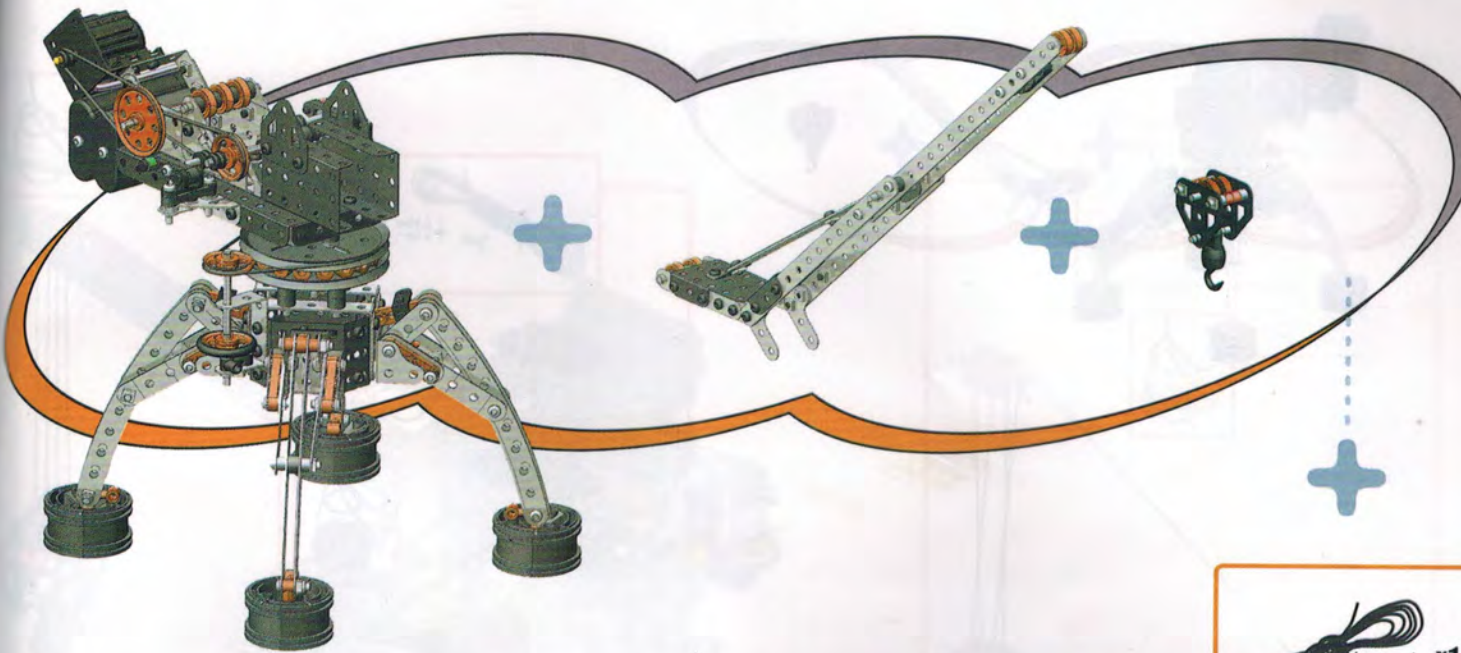


3

-  x2
-  x4
-  x4
-  x2
-  x2
-  x2
-  x2

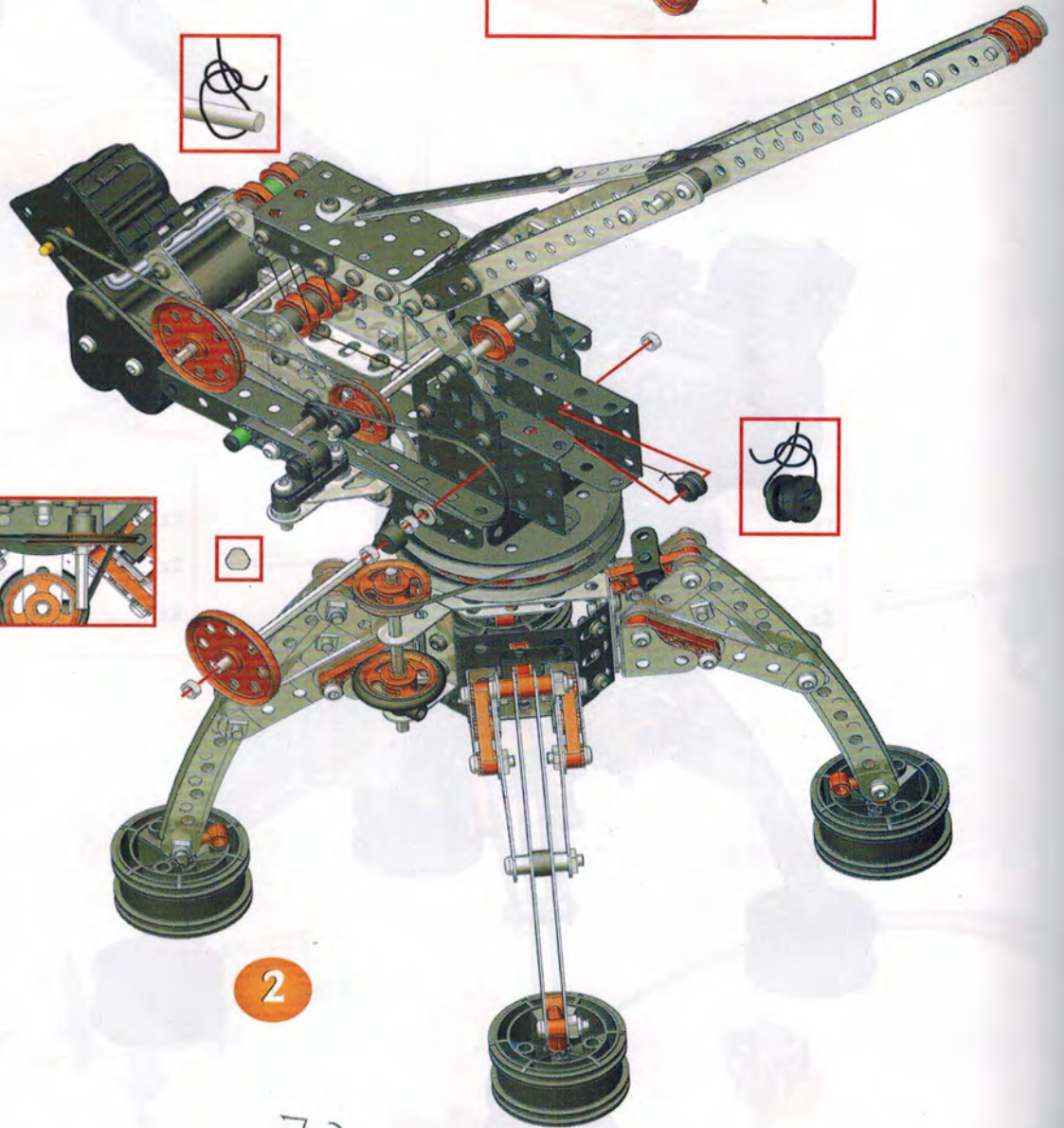
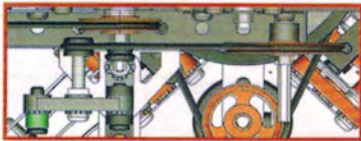
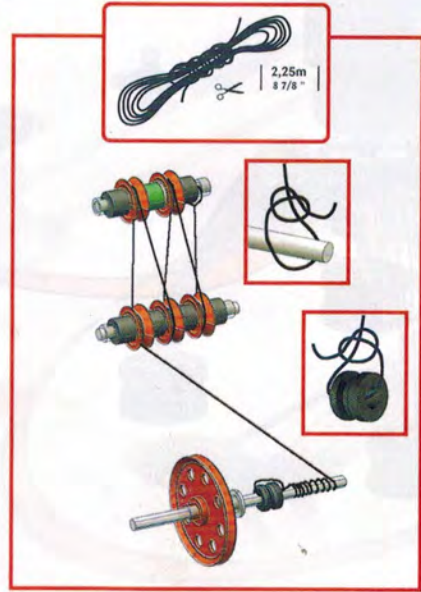
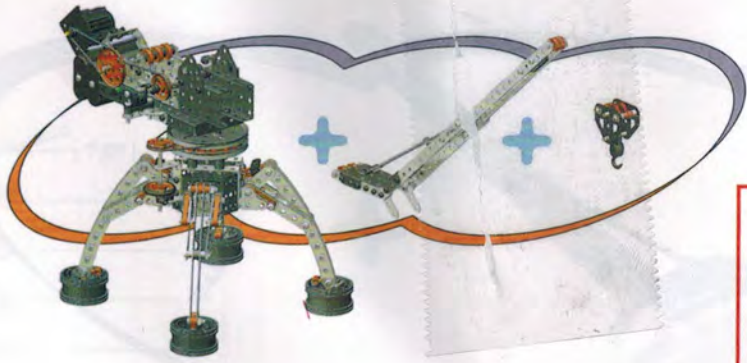


70



- 4,50 m
17 3/4" | x1
- | x2
- 75 mm | x2
- 50 mm | x1
- | x2
- | x1
- | x2
- | x2
- | x8
- | x2
- | x2

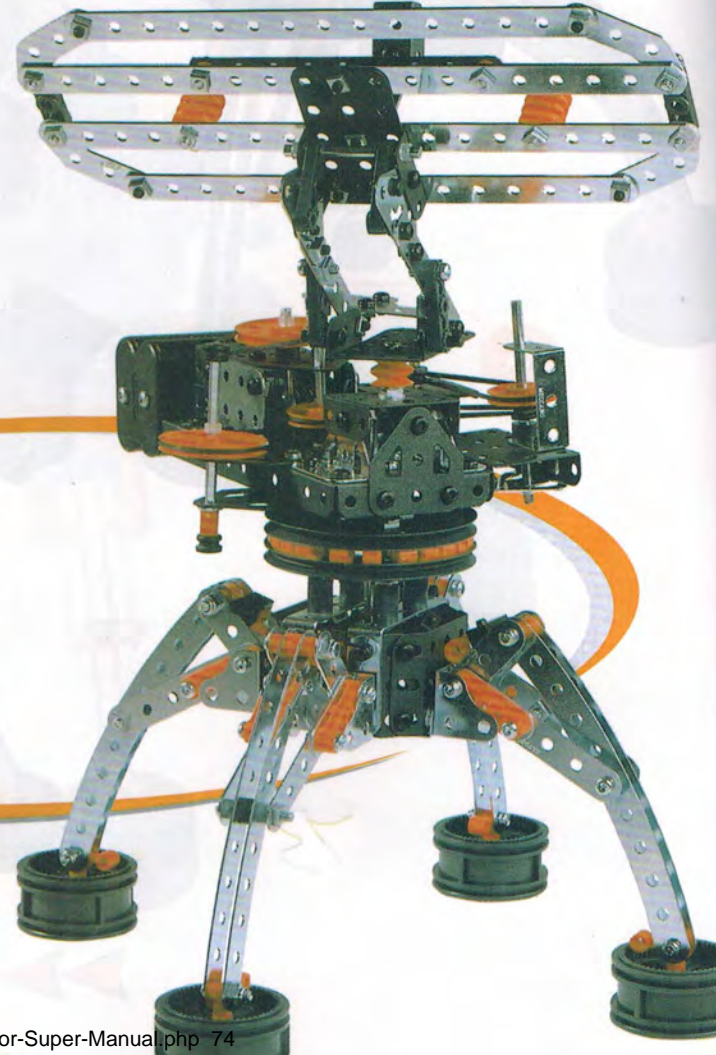
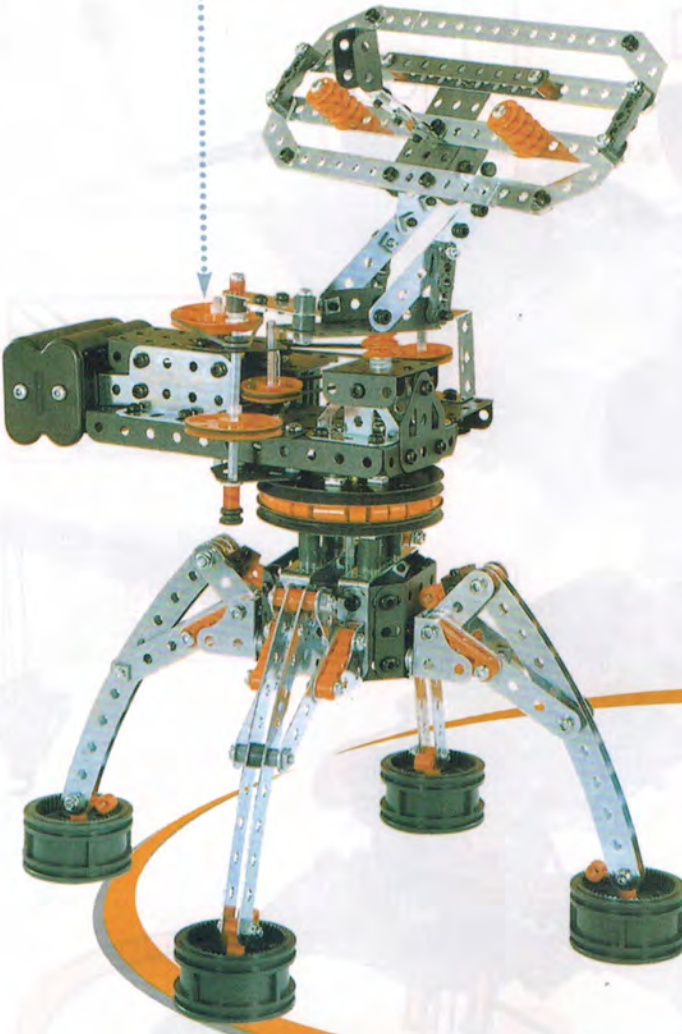
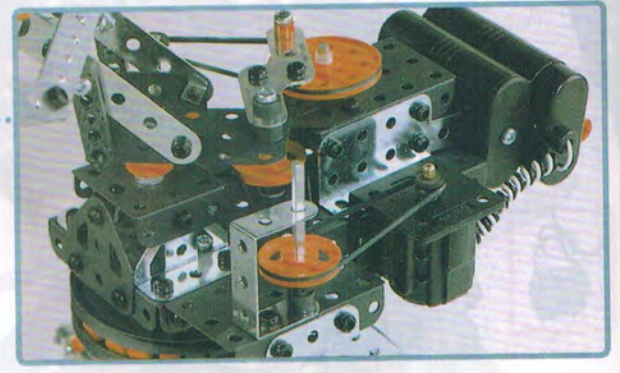
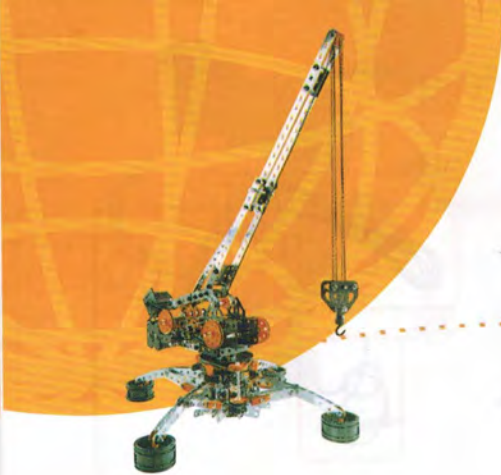
71



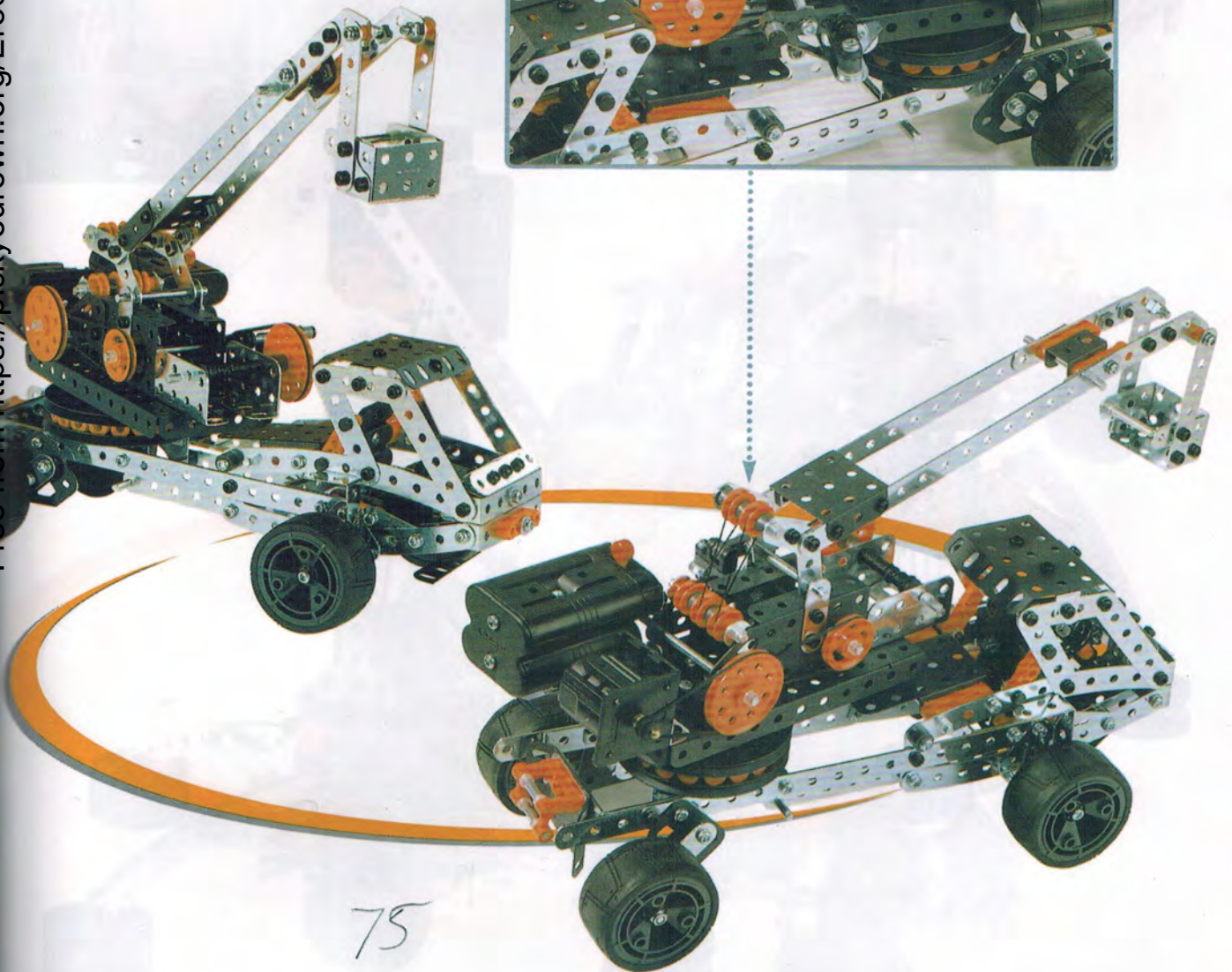
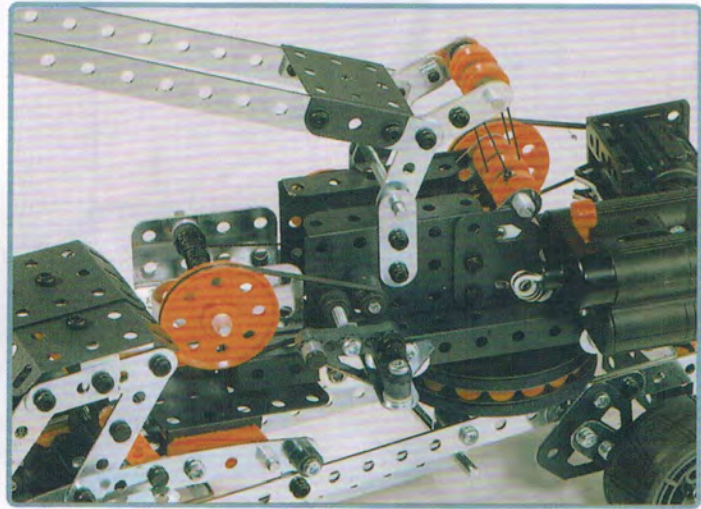
2

72

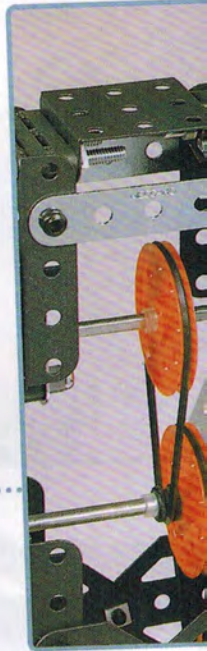
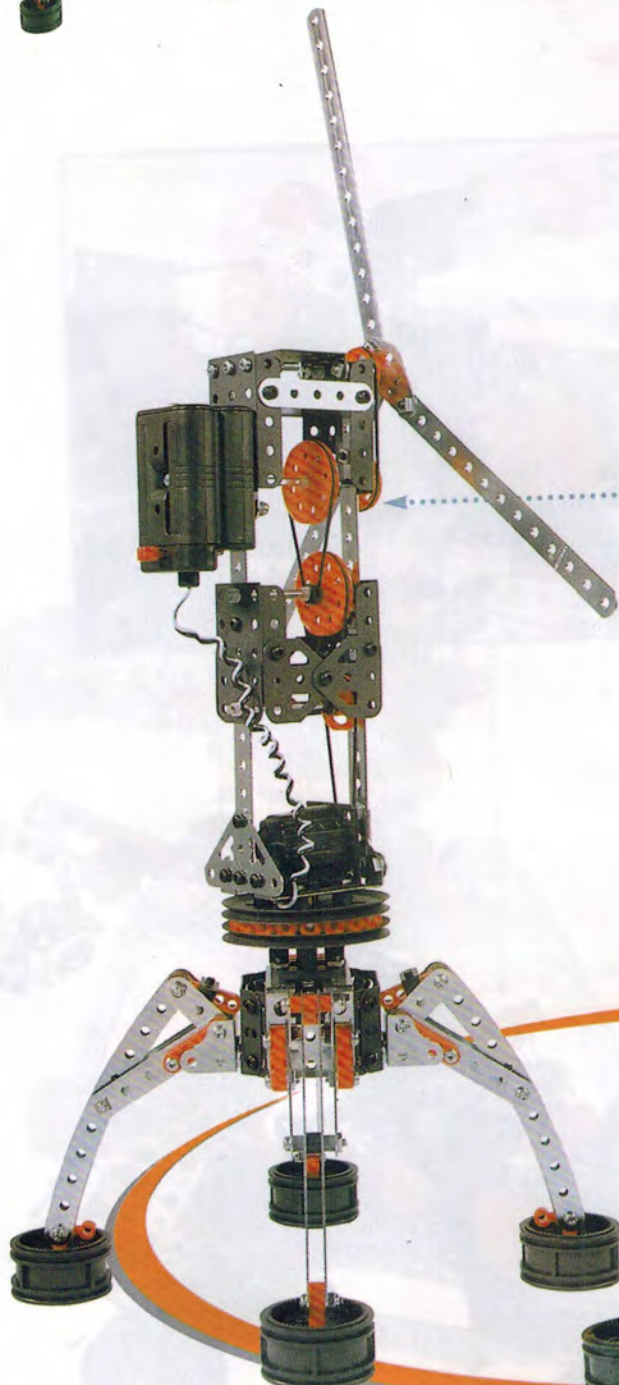
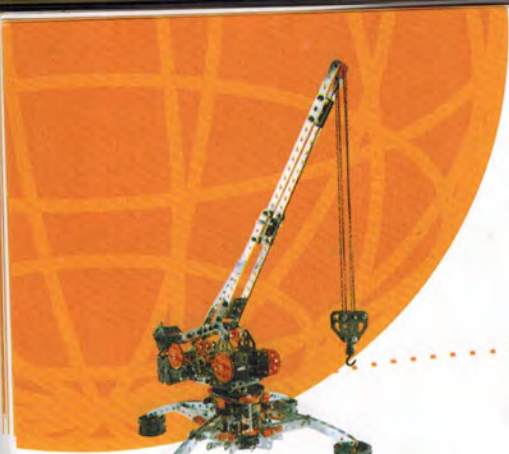


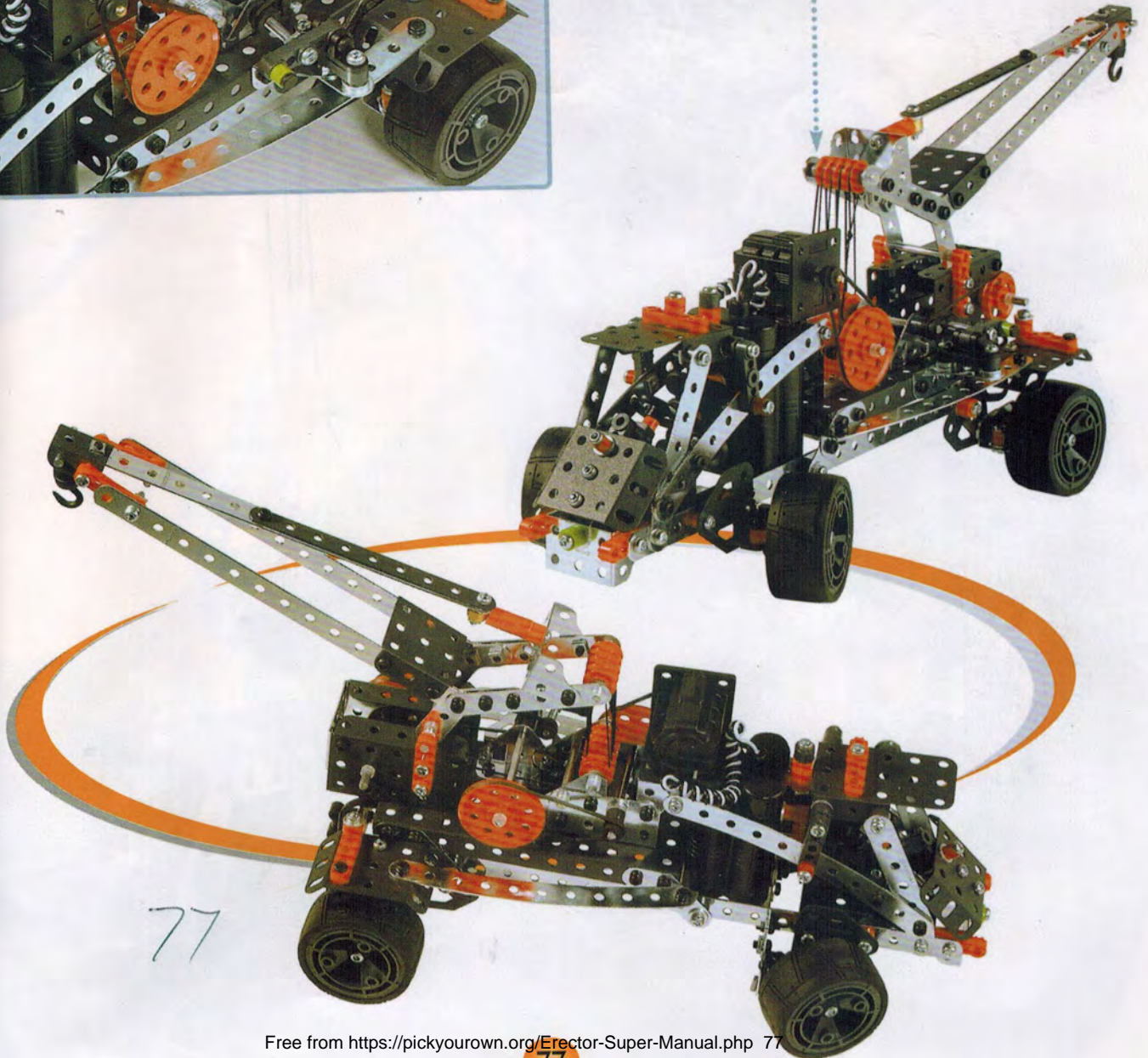
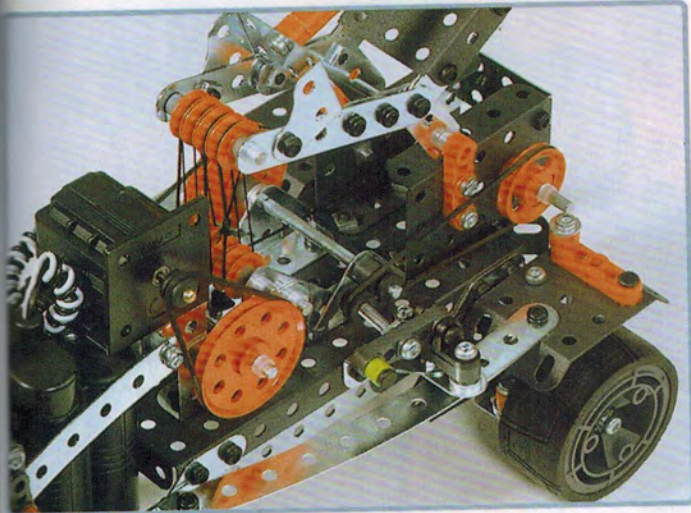
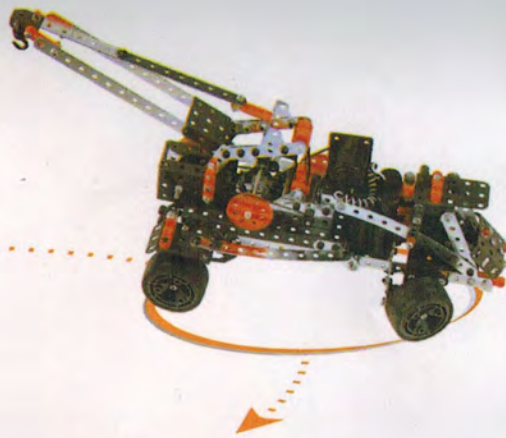


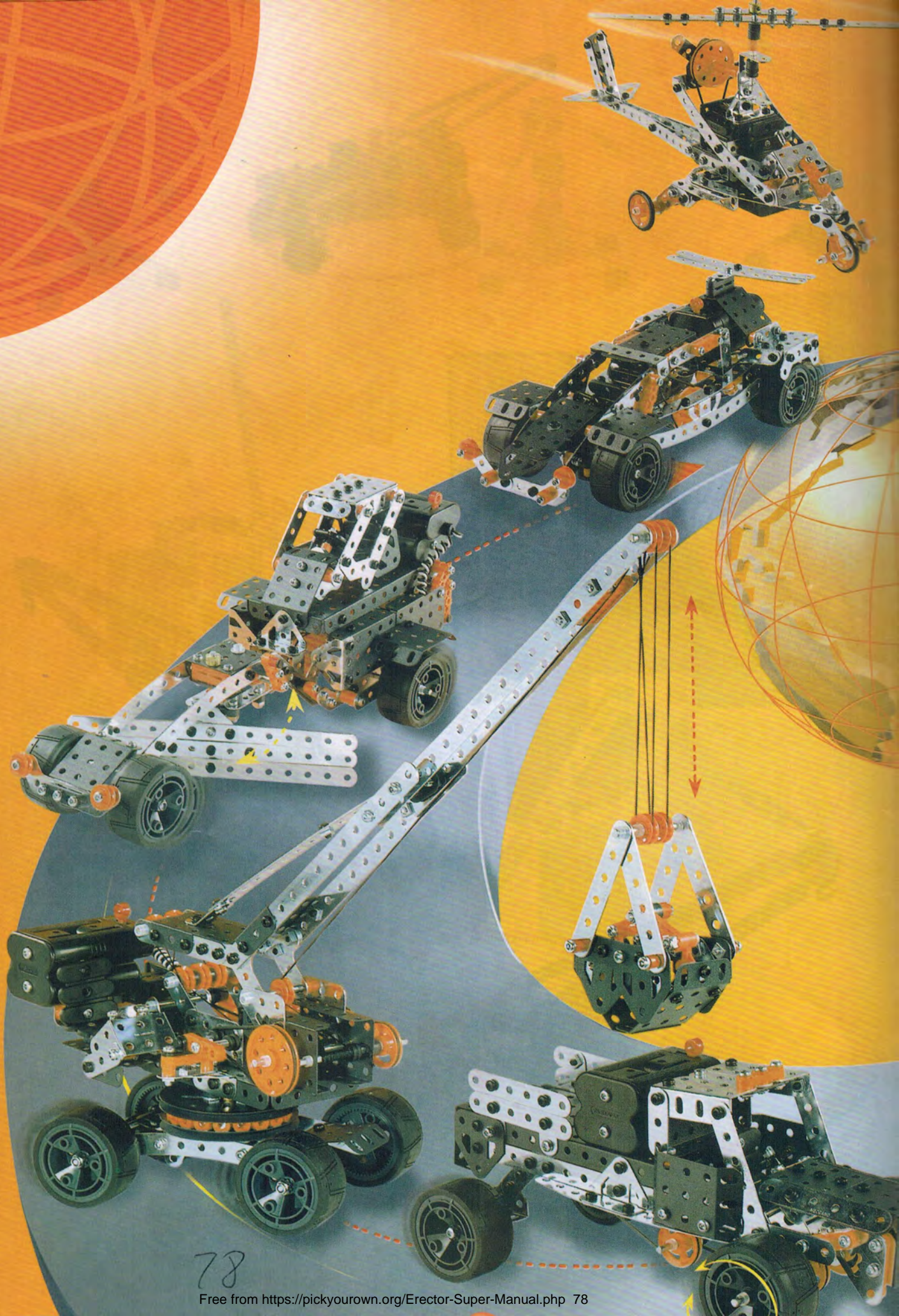
74



75









BATTERY SAFETY INFORMATION: Requires 4xAA/LR6 1.5V alkaline batteries (not included). Batteries are small objects. Replacement of batteries must be done by adults. Follow polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the toy. Dispose of used batteries properly. Remove batteries for prolonged storage. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (i.e. alkaline/standard/rechargeable). Using rechargeable batteries is not recommended due to possible reduced performance. Rechargeable batteries are only to be charged under adult supervision. Replaceable-rechargeable batteries are to be removed from the toy before being charged. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

Remove all packaging before use. Retain this information, addresses and phone numbers for future reference. Content may vary from pictures. An adult should periodically check this toy to ensure no damage or hazards exist, if so, remove from use. Children should be supervised during play. Adult supervision advised. Meccano reserves the right to discontinue use of the www.meccano.com website at any time.

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