

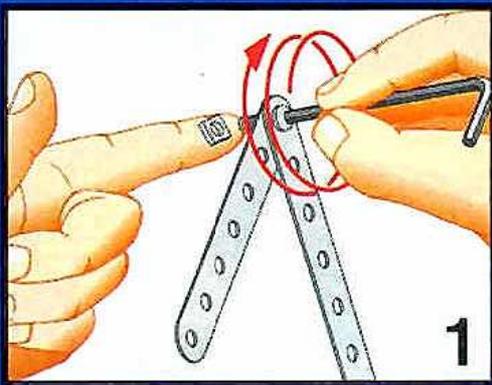
MECCANO[®]



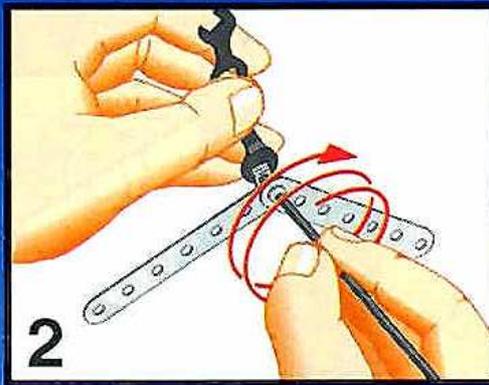
LEAFLET
ANLEITUNG
ISTRUZIONI
BROSCHYR
OHJEET
VEJLEDNING

NOTICE
INSTRUCCIONES
BESCHRIJVINGEN
INSTRUCOES
ΟΔΗΓΙΕΣ
説明書

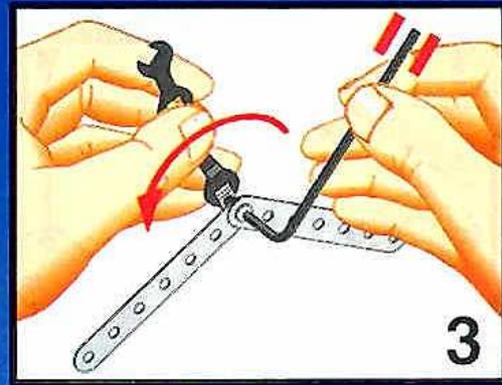
3920



1



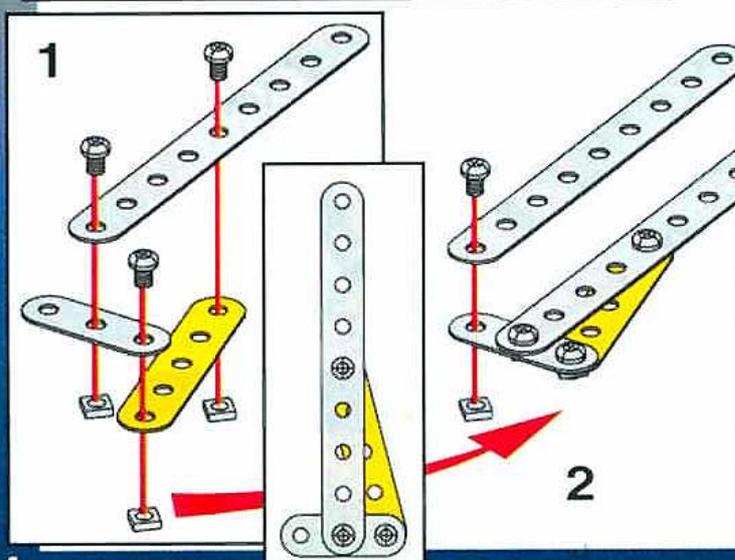
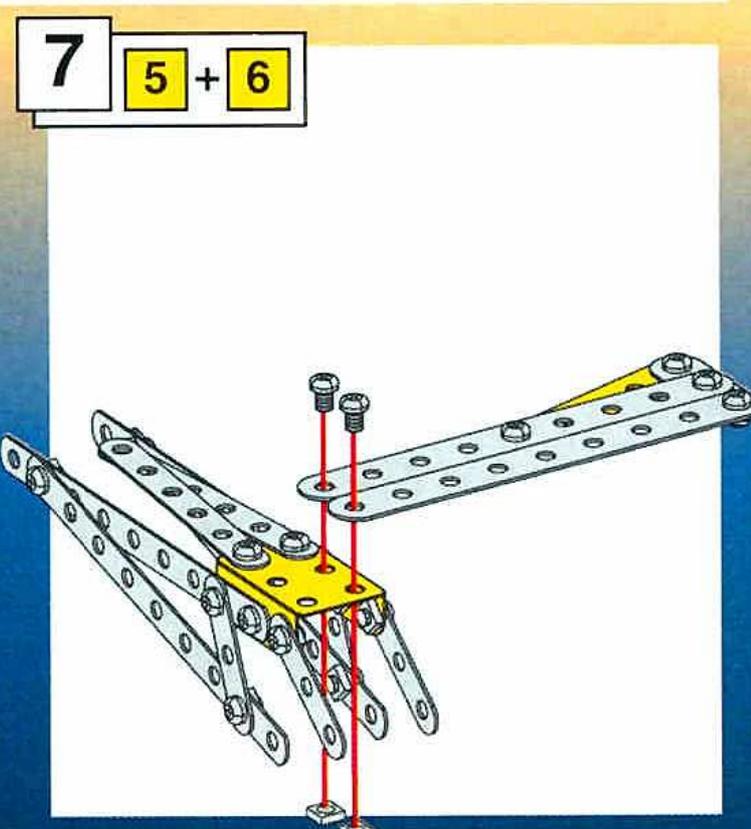
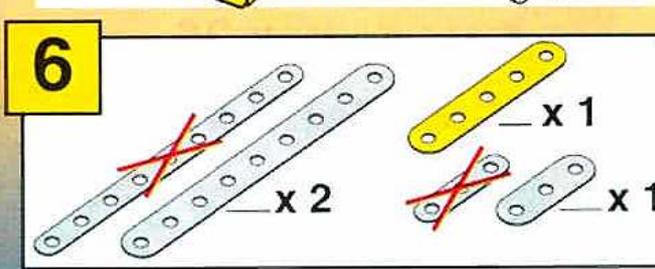
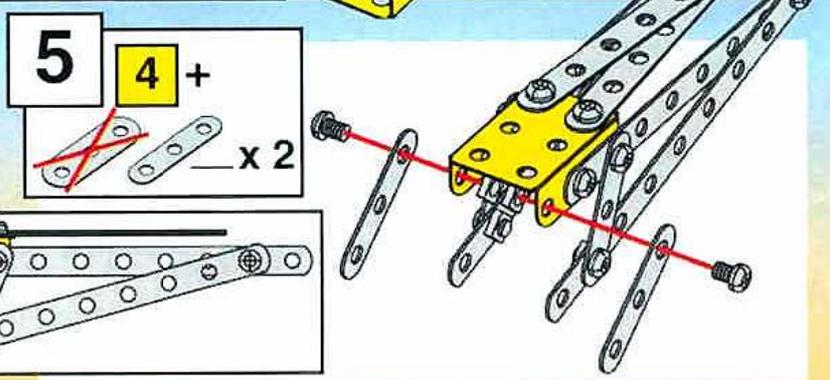
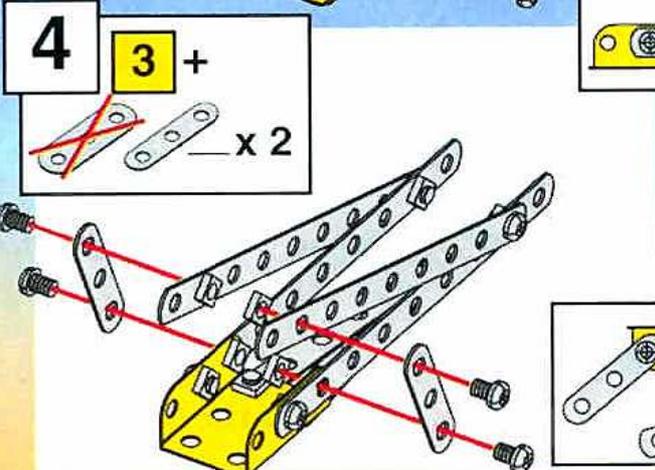
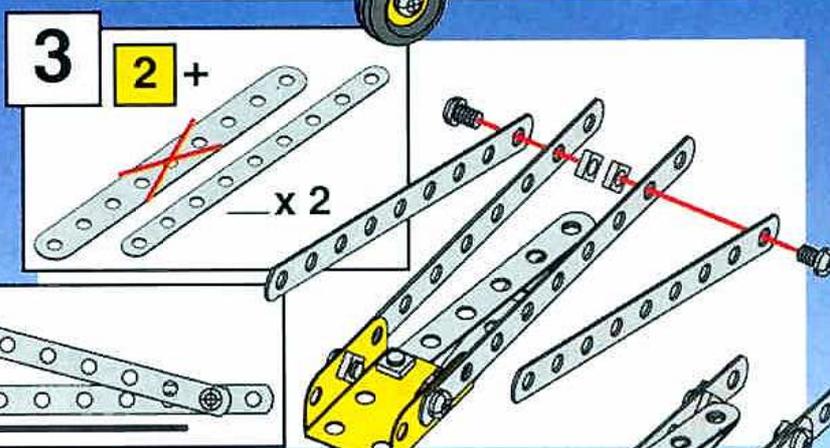
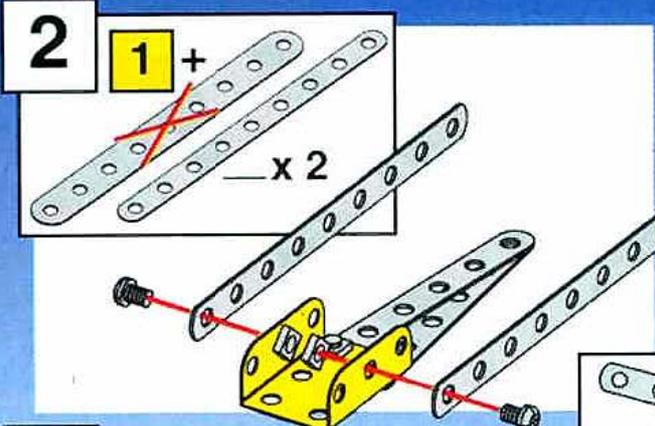
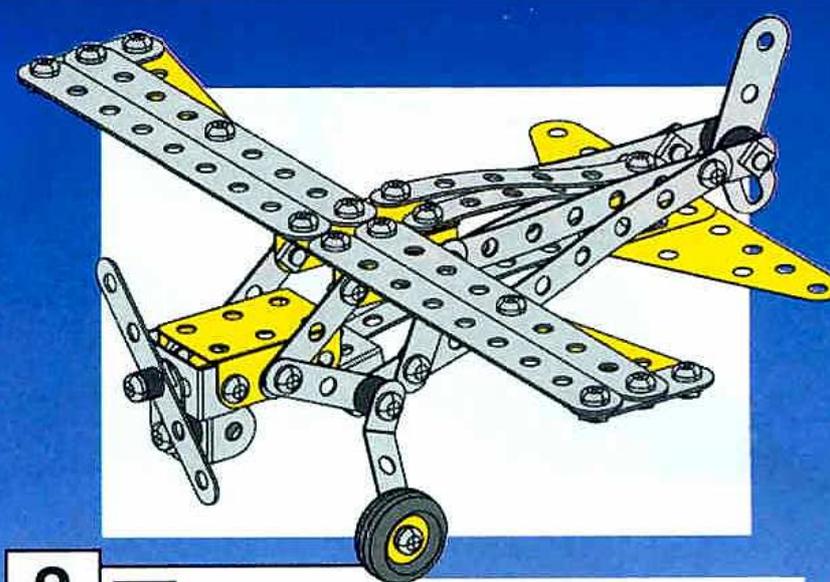
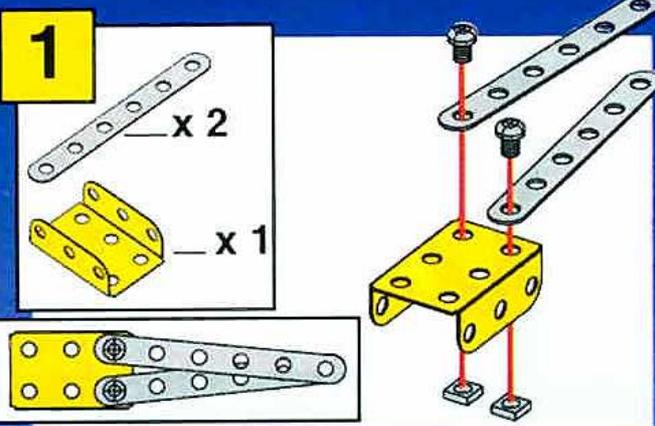
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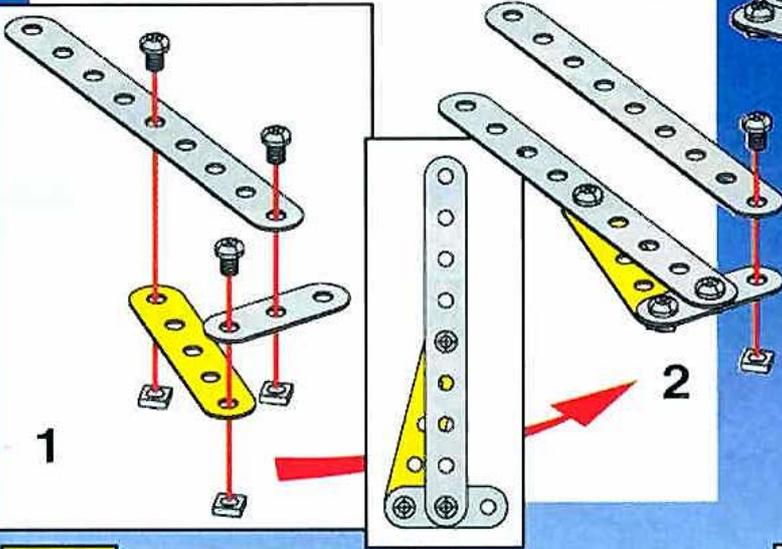
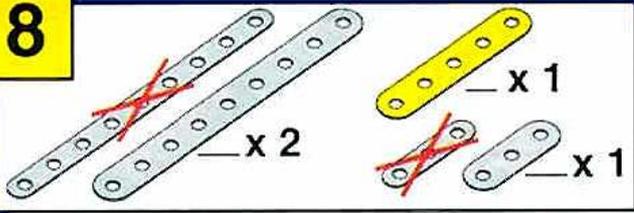
3

- [189] X 1
- [188] X 2
- [221] X 2
- [51a] X 2
- [48e] X 2
- [11] X 2
- [825] X 4
- [812d] X 2
- [23bP] X 3
- [2a] X 4
- [235d] X 5
- [235a] X 2
- [235] X 2
- [235h] X 2
- [235g] X 6
- [5] X 2
- [6a] X 3
- [12b] X 2
- [10] X 2
- [12c] X 4
- [12] X 8
- [38a] X 10
- [38b] X 2
- [7] | 14,7 mm | 1/6" | [147d] X 5
- [1] | 28 mm | 1 1/8" | [111d] X 0
- [2] | 19 mm | 3/4" | [111] X 2
- [3] | 12 mm | 1/2" | [111a] X 7
- [4] | 9,5 mm | 3/8" | [111c] X 0
- [37b] X 36
- [37a] X 47
- [142j] X 3
- [36c] X 1
- [34] X 1



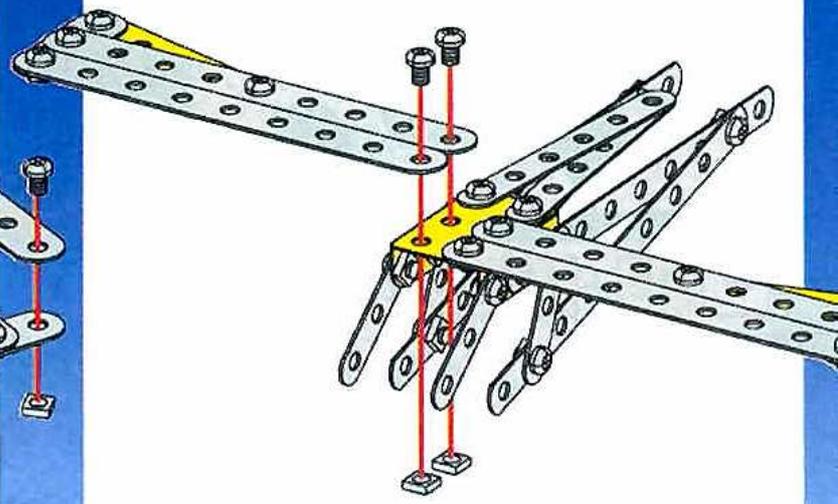


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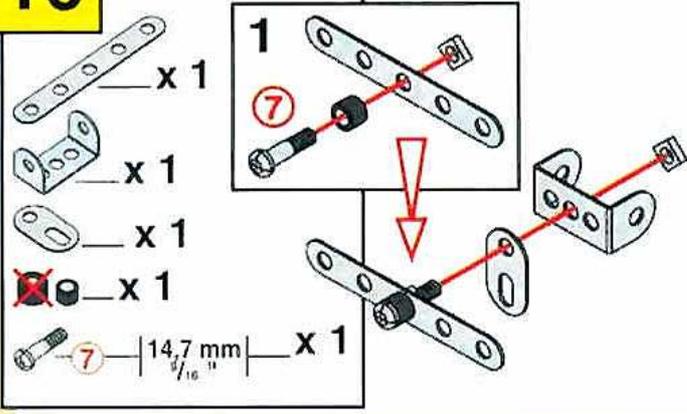


9

7 + 8

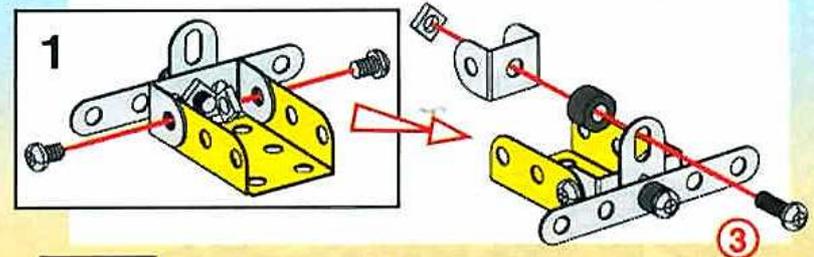
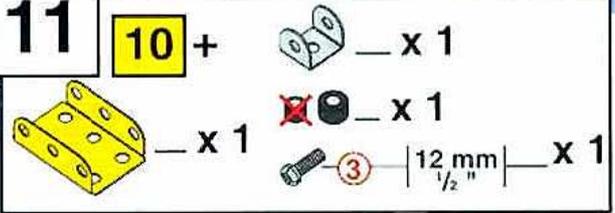


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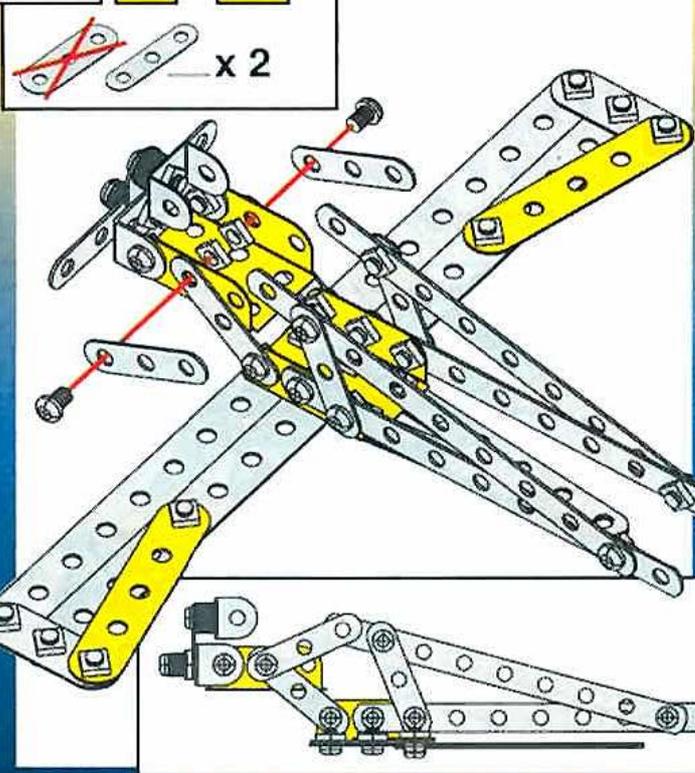
11

10 +

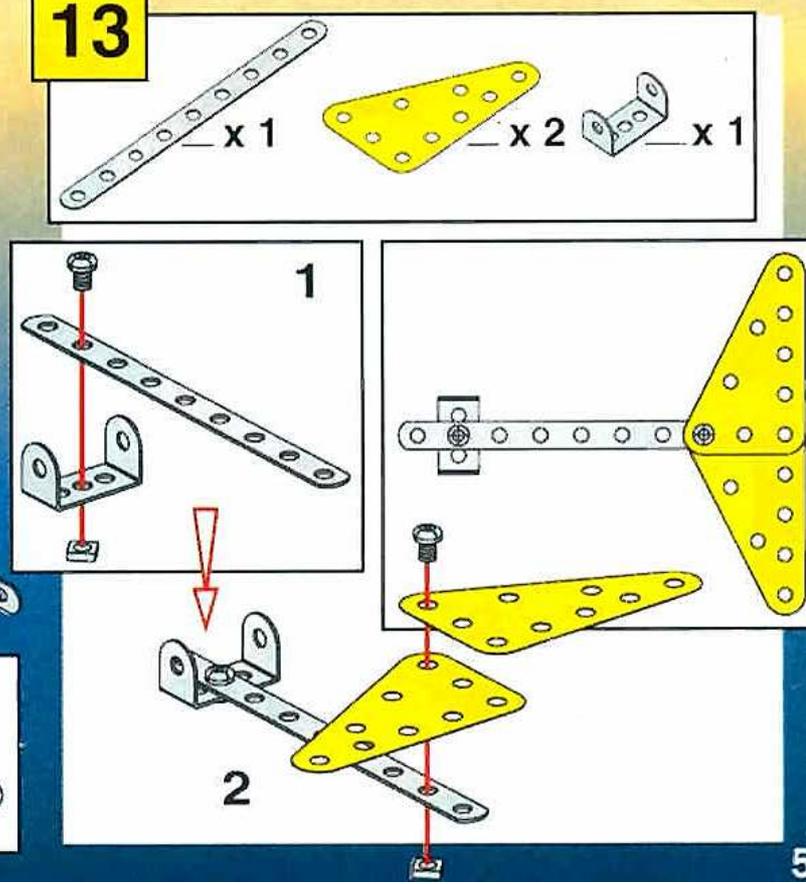


12

9 + 11 +



13



14  x 2

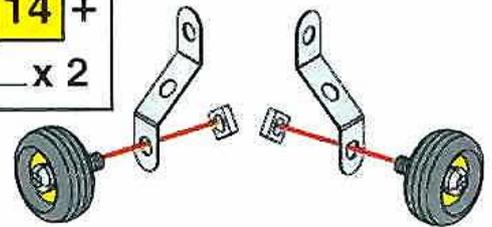
 x 2

 ⑦ | 14,7 mm | 5/16" x 2



15 **14** +

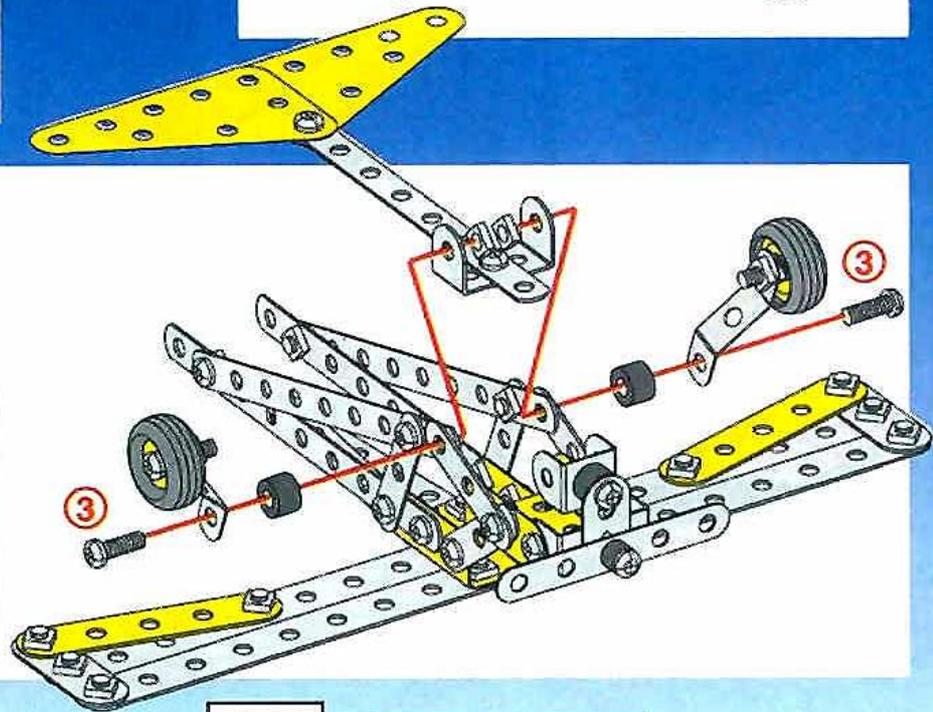
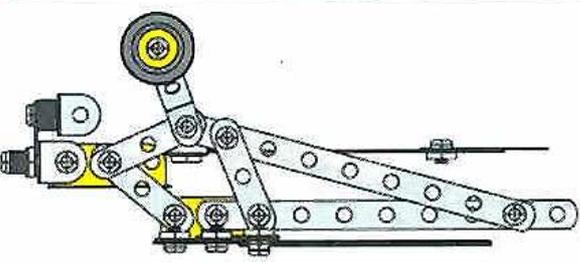
 x 2



16 **12** + **13** + **15** +

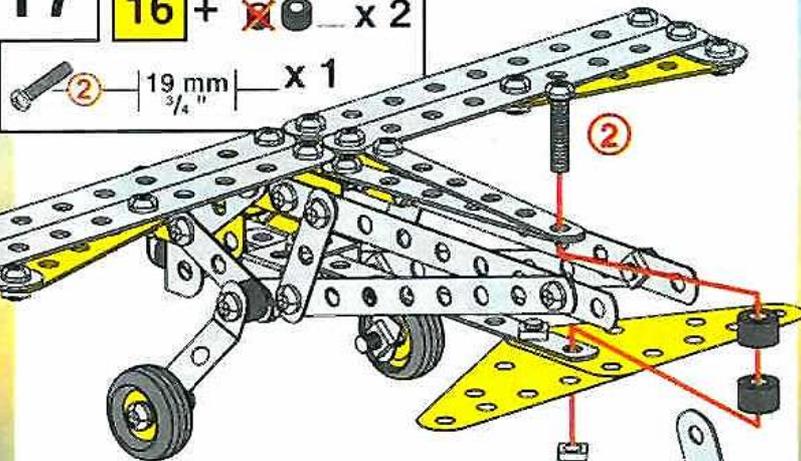
 x 2

 ③ | 12 mm | 1/2" x 2



17 **16** +  x 2

 ② | 19 mm | 3/4" x 1

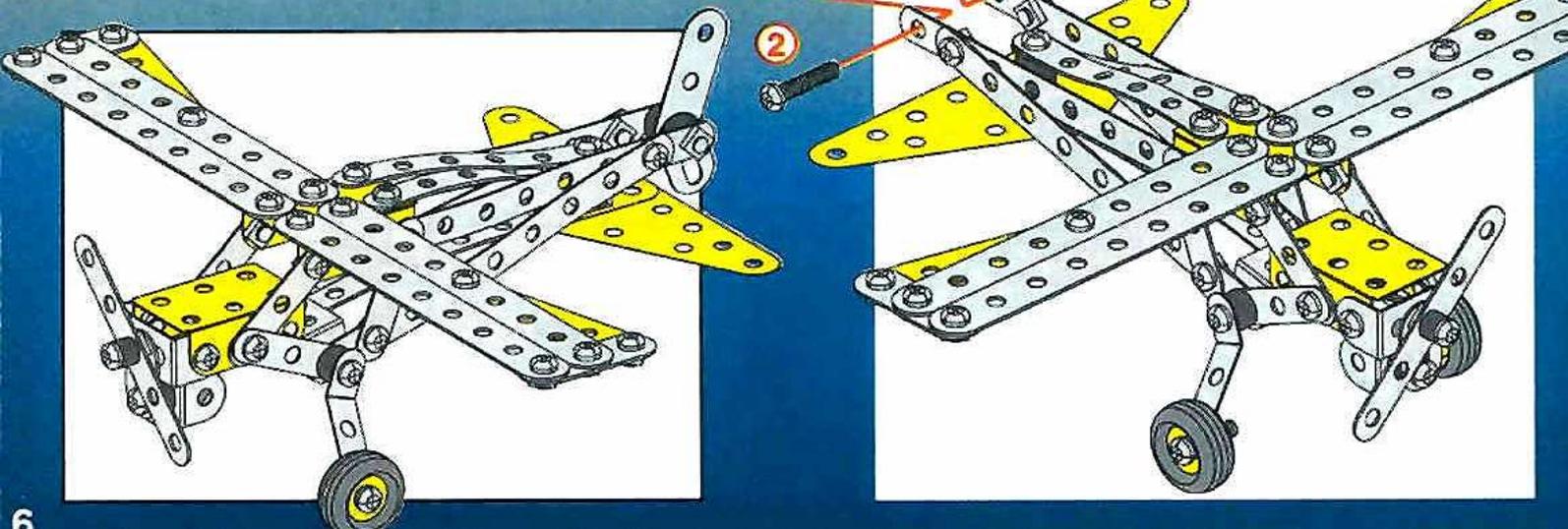
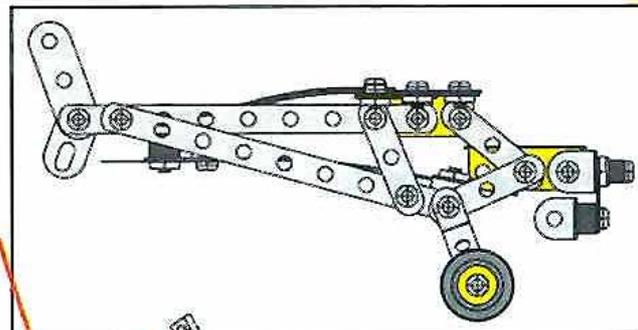


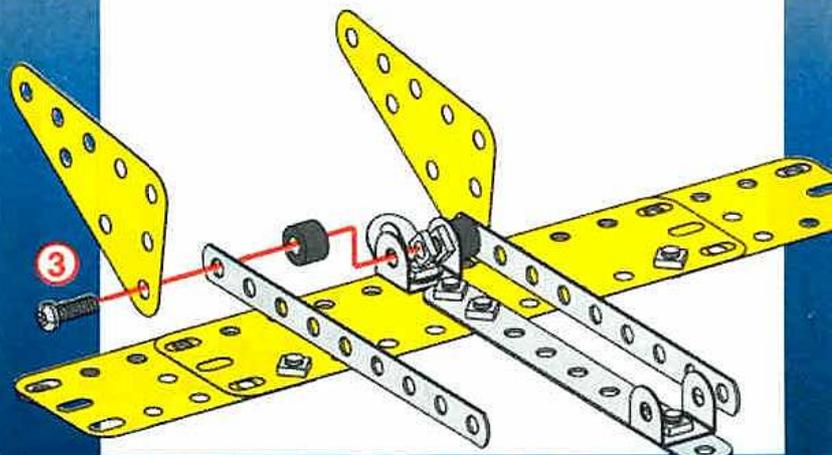
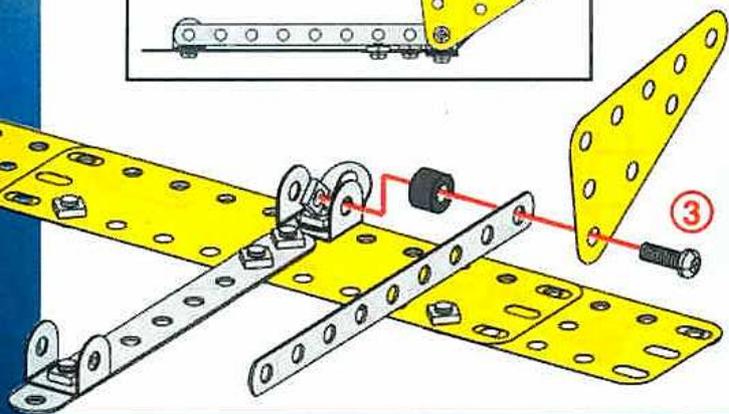
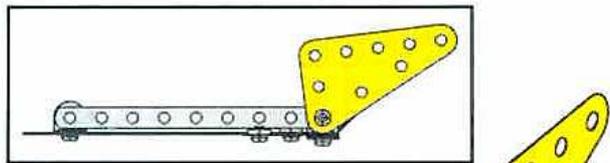
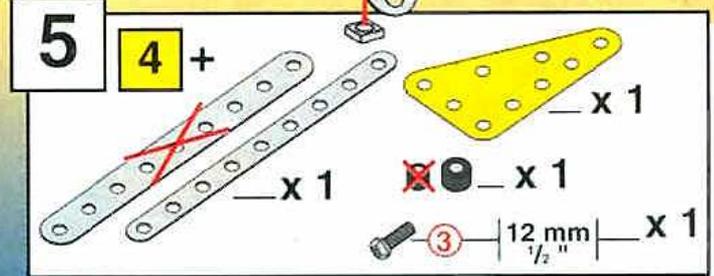
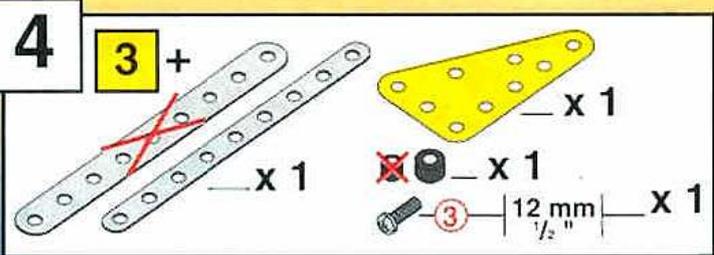
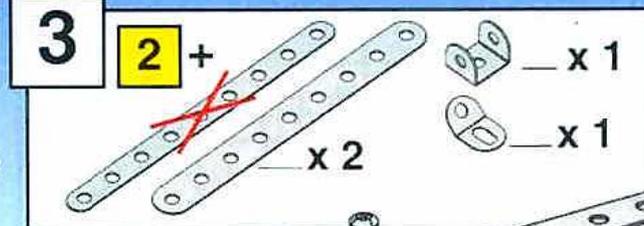
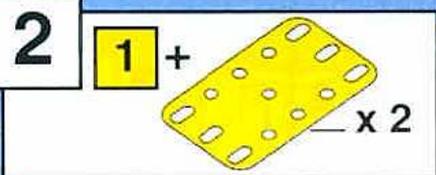
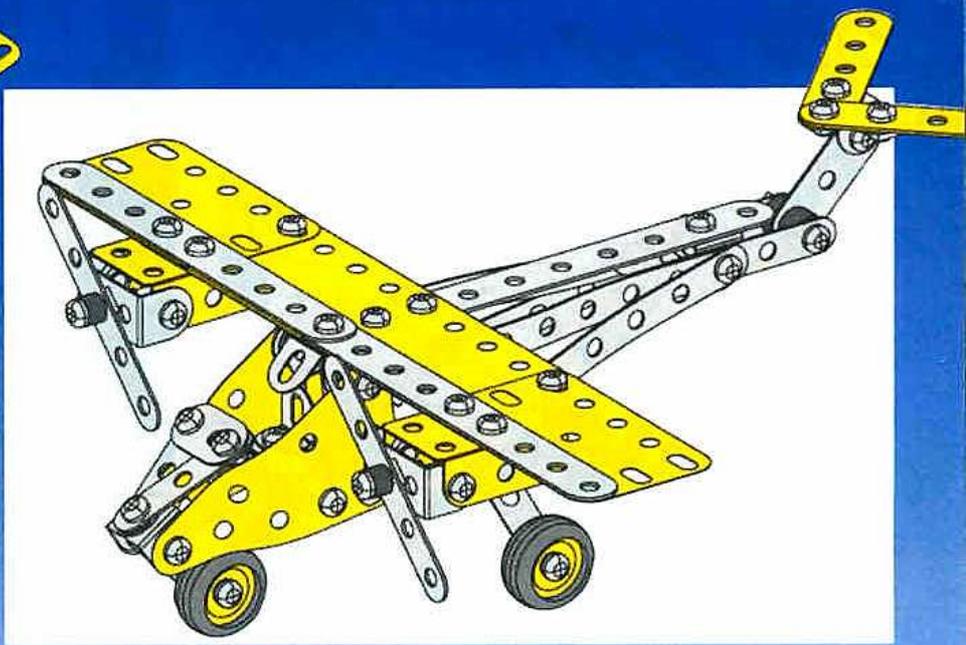
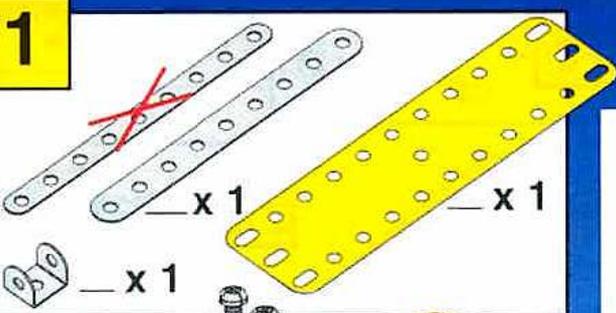
18 **17** +  x 2

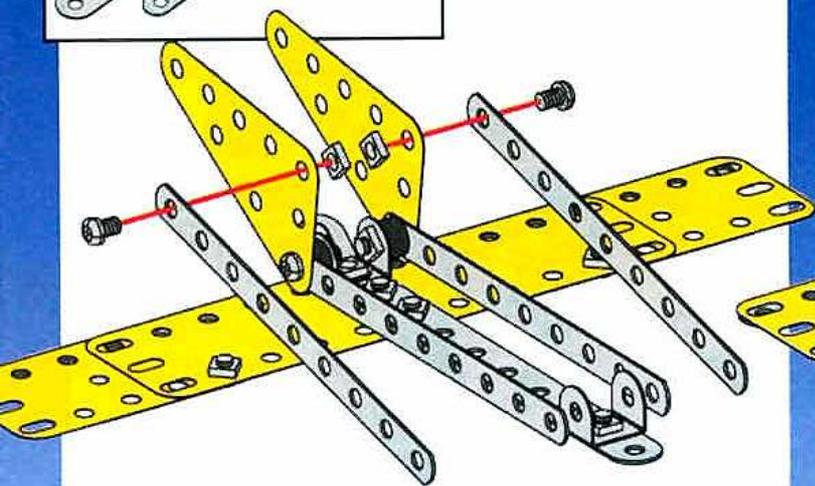
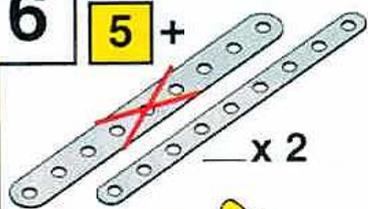
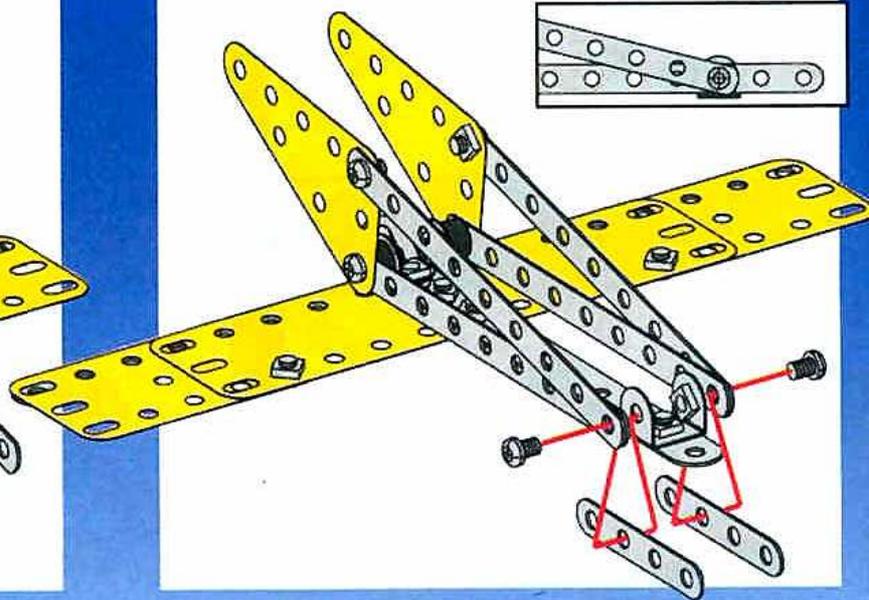
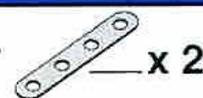
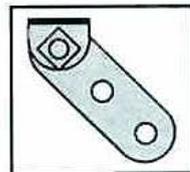
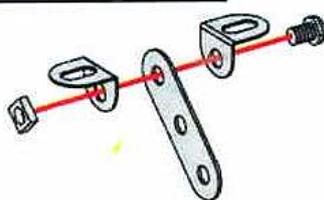
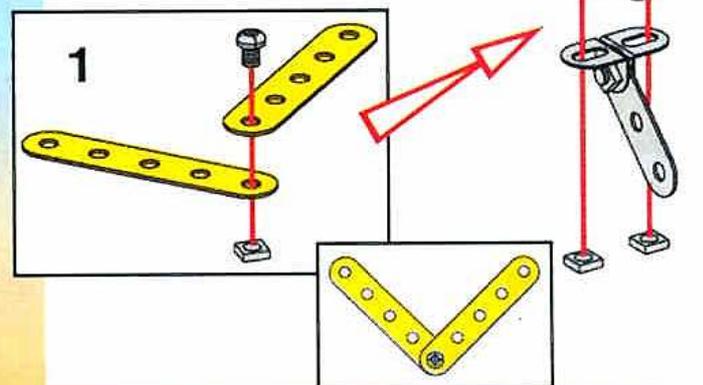
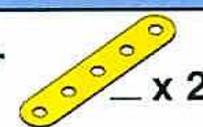
 x 1

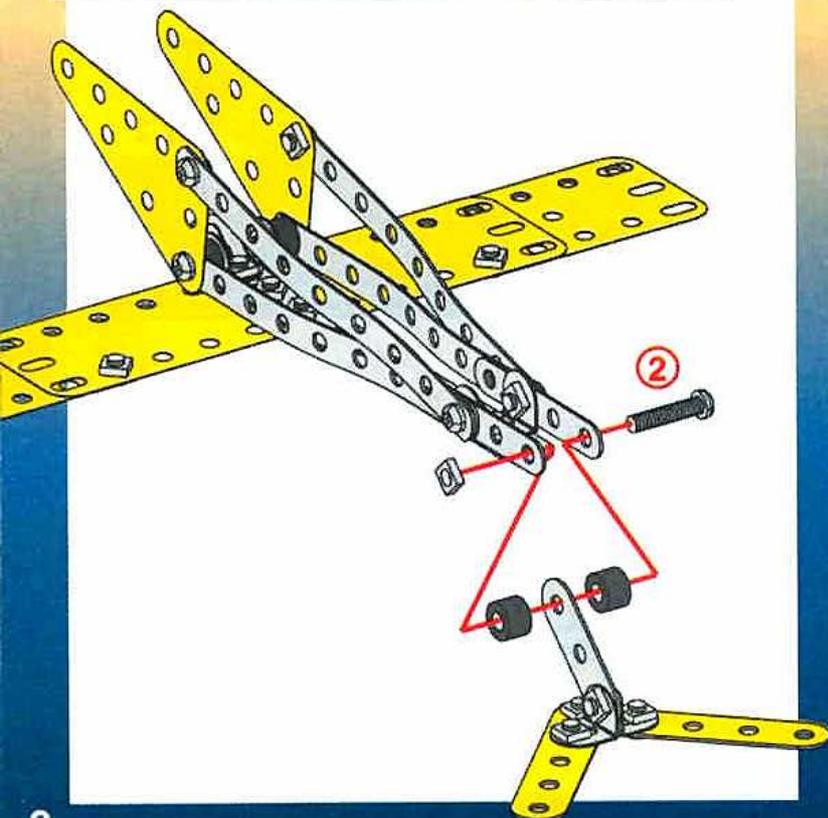
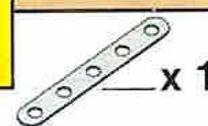
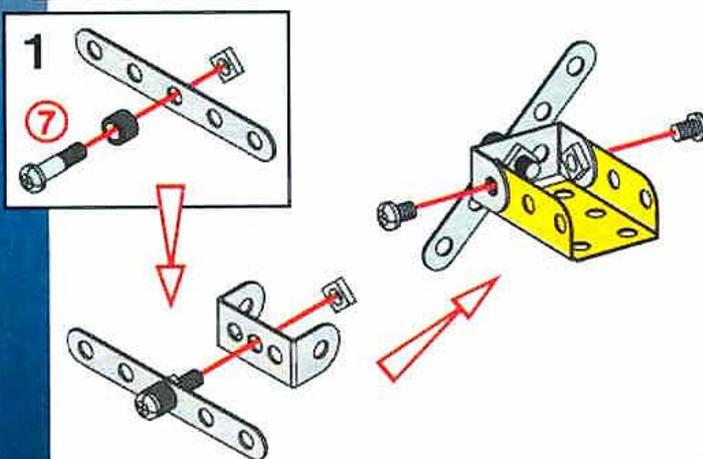
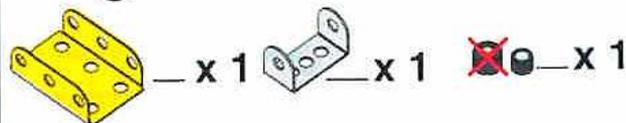
 x 1

 ② | 19 mm | 3/4" x 1

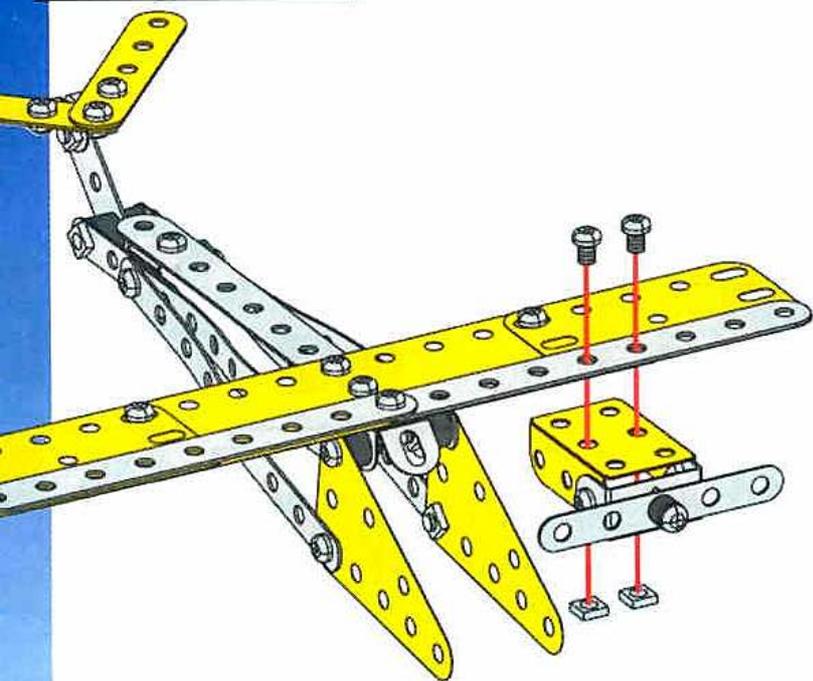




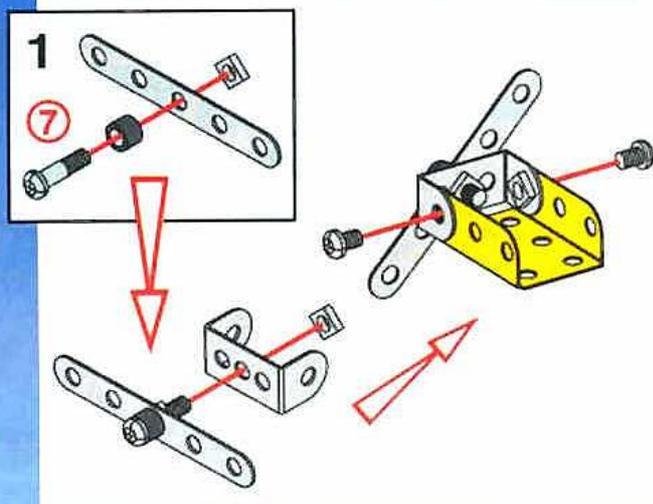
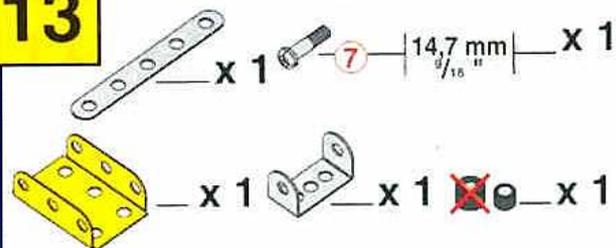
6**5** +**7****6** +**8**
**9****8** +**10****7** +**9** +

**11**


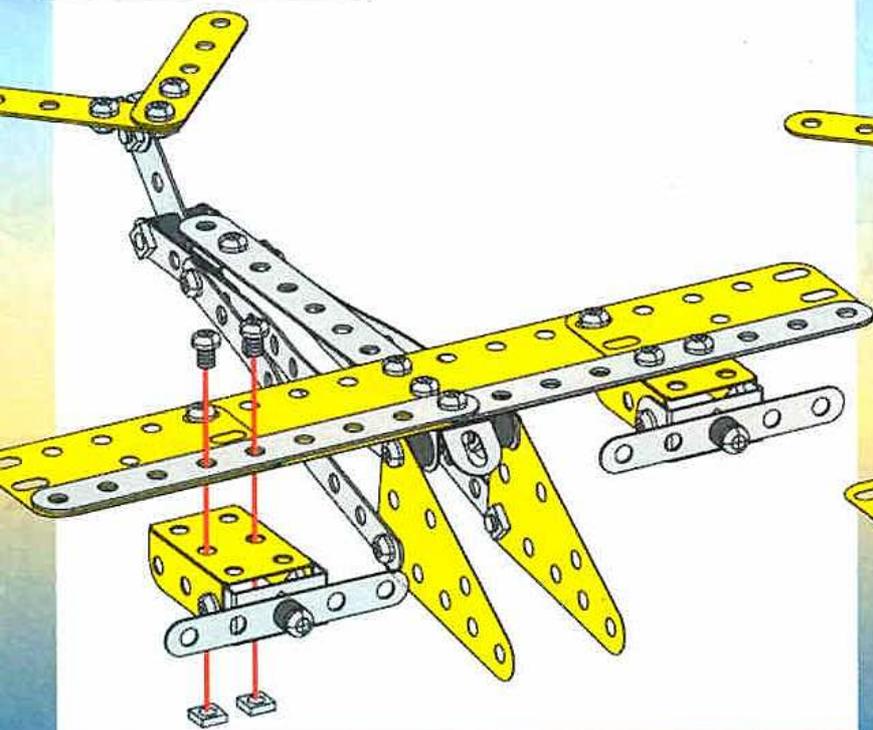
12 10 + 11



13

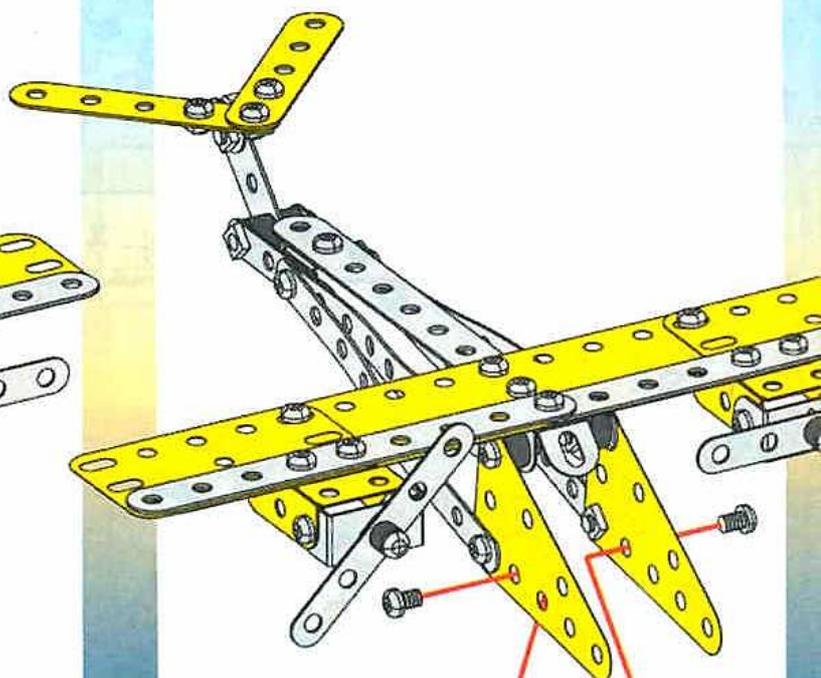


14 12 + 13



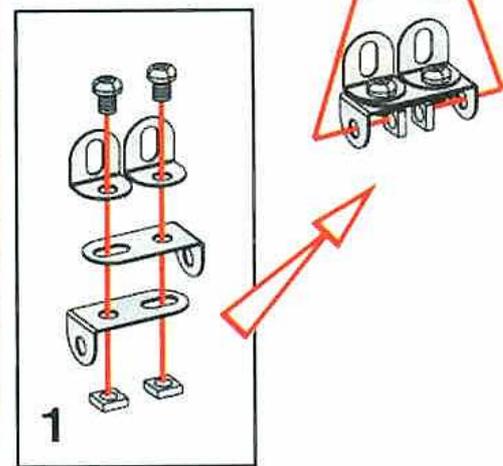
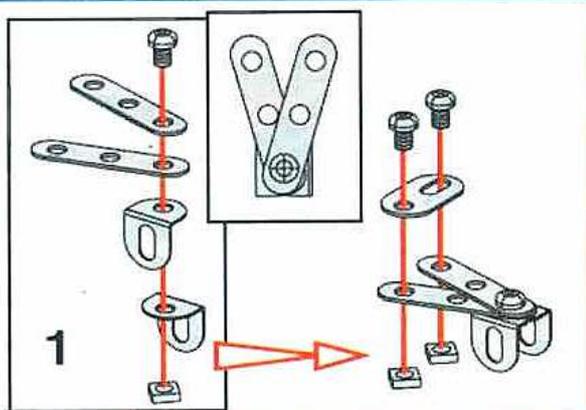
15

14 + Grey 2-hole beam x 2, Grey pin with a red circle '7' x 2

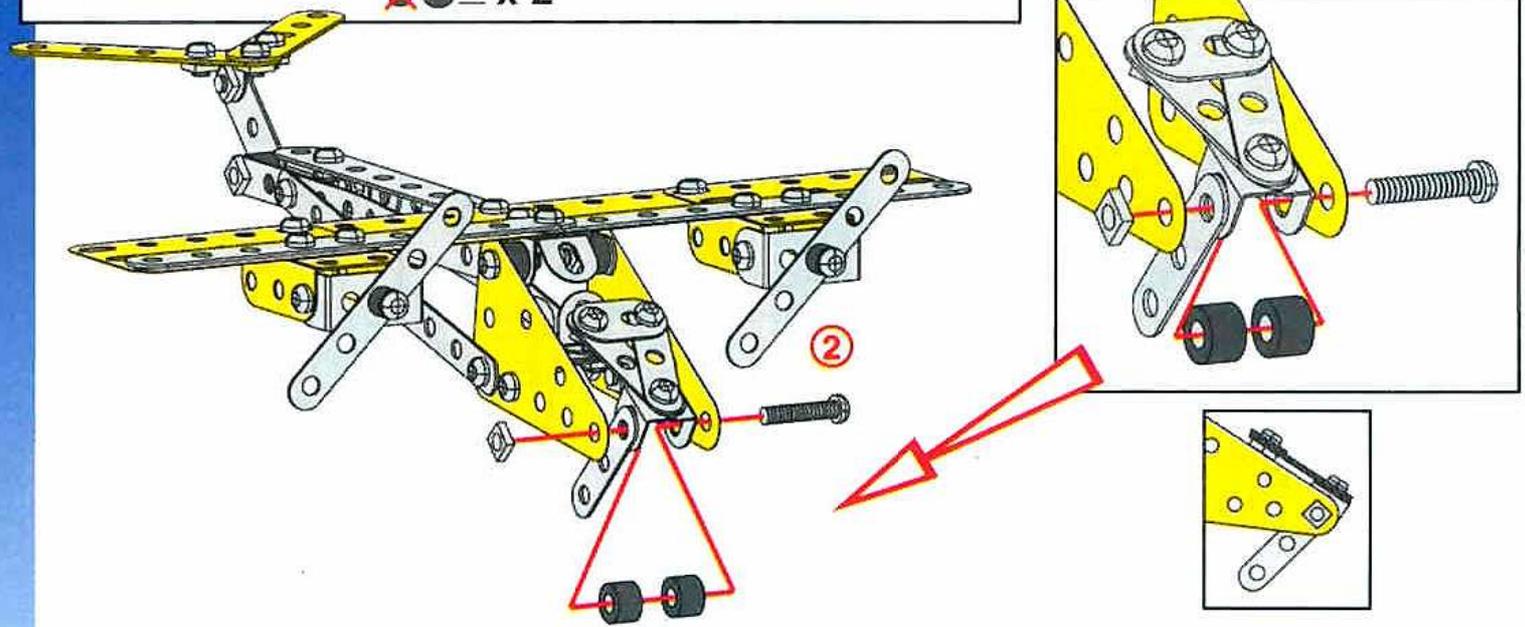


16

Grey 2-hole beam x 2
 Grey pin with a red circle '7' x 1
 Grey pin with a red circle '7' x 2

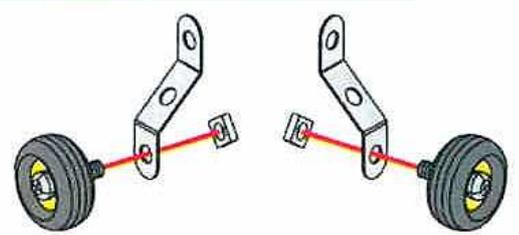
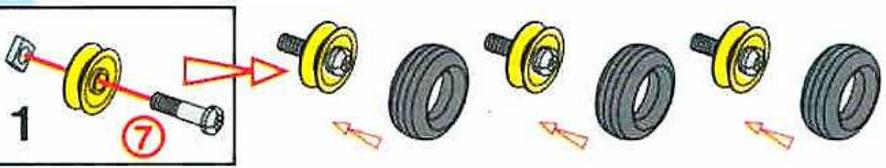


17 **15** + **16** +  x 1  | 19 mm | $\frac{3}{4}$ " | x 1
 x 2

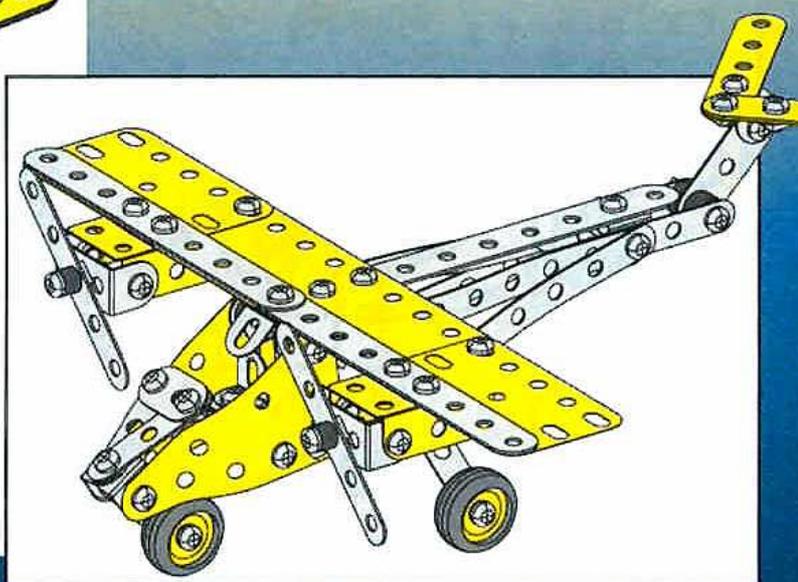
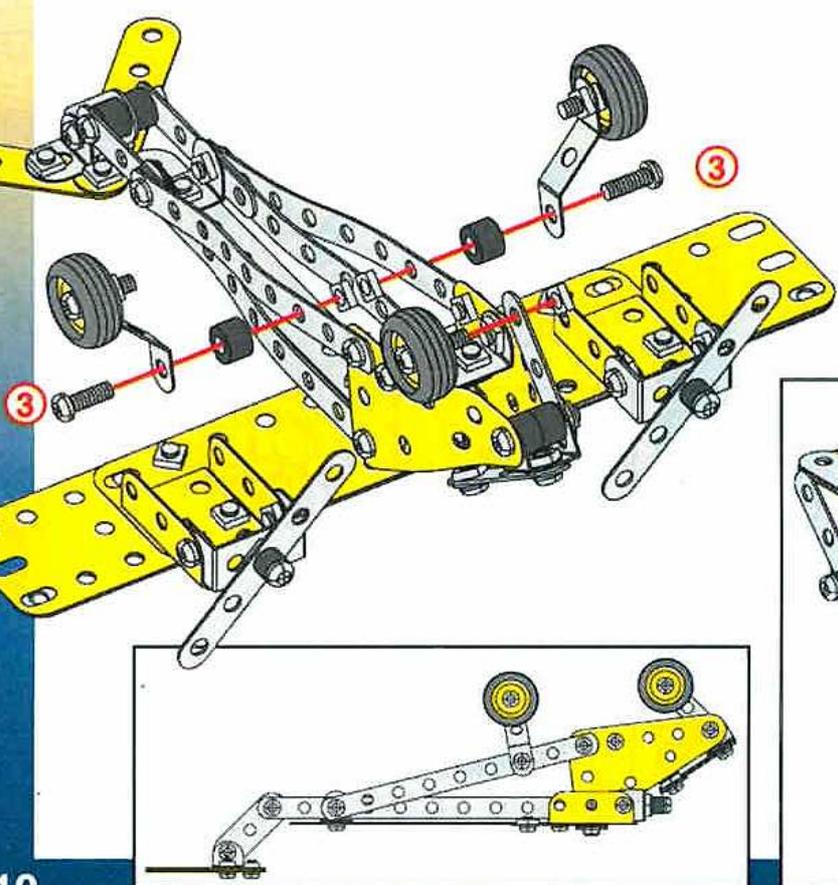


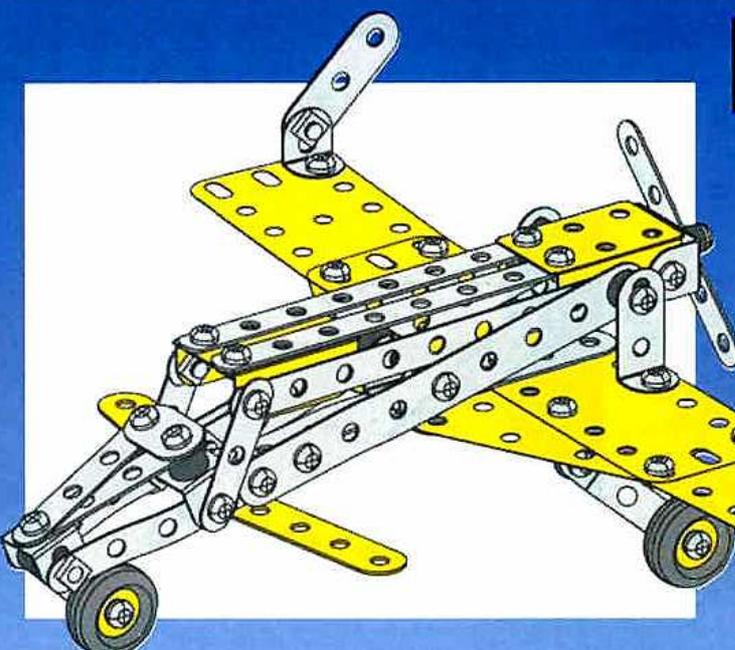
18  x 3
 | 14,7 mm | $\frac{5}{16}$ " | x 3

19 **18** +  x 2



20 **19** +  x 2  | 12 mm | $\frac{1}{2}$ " | x 2



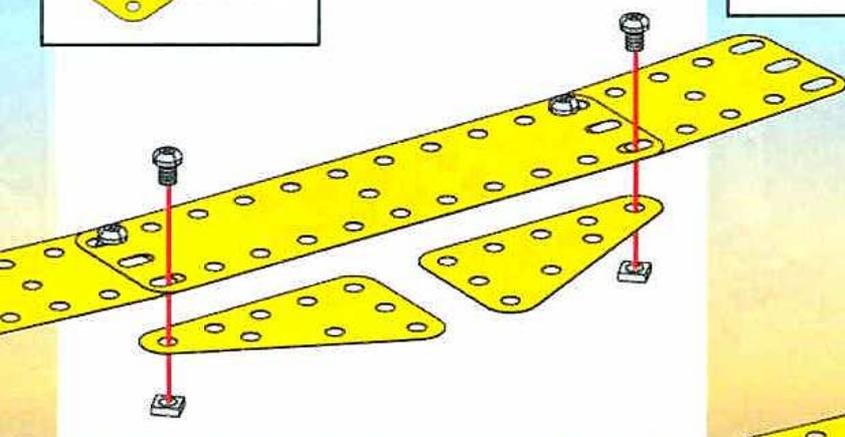
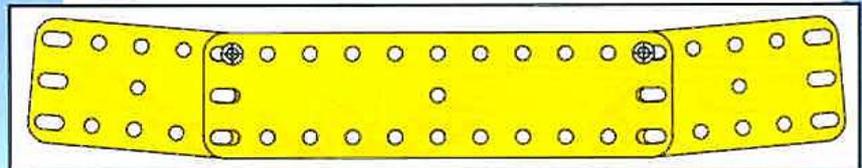
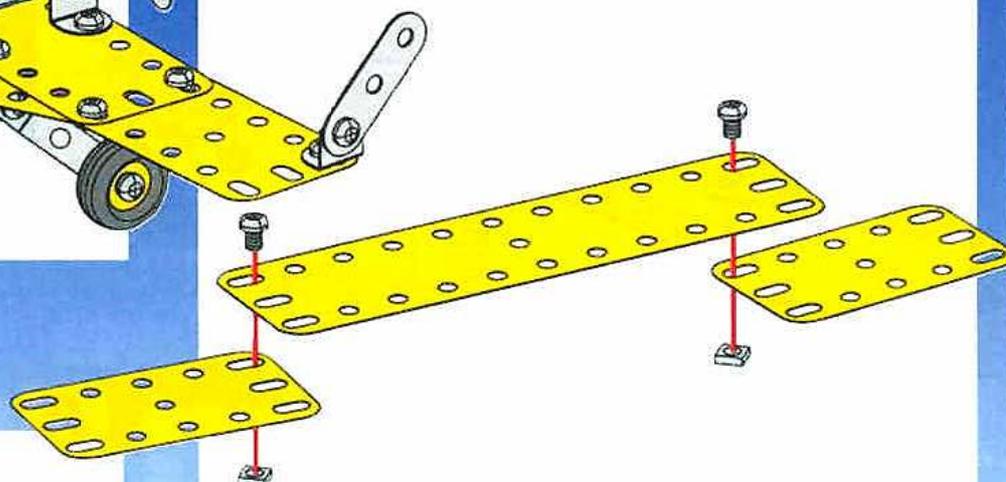


1

-x 1 -x 2

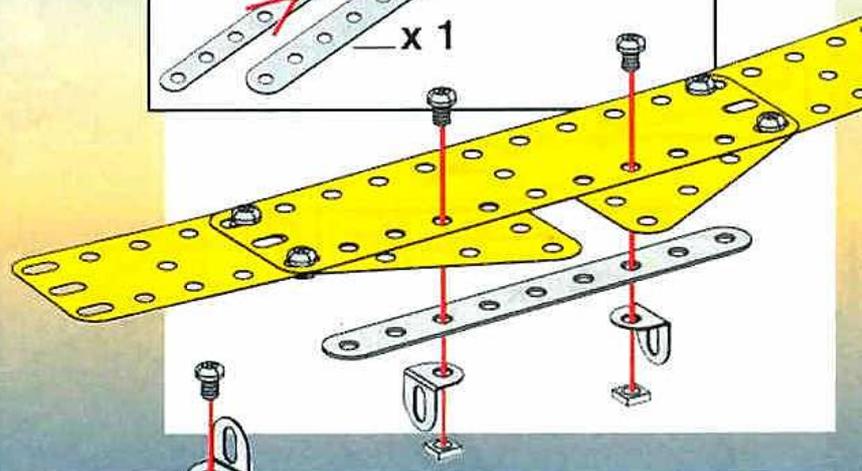
2 **1** +

-x 2

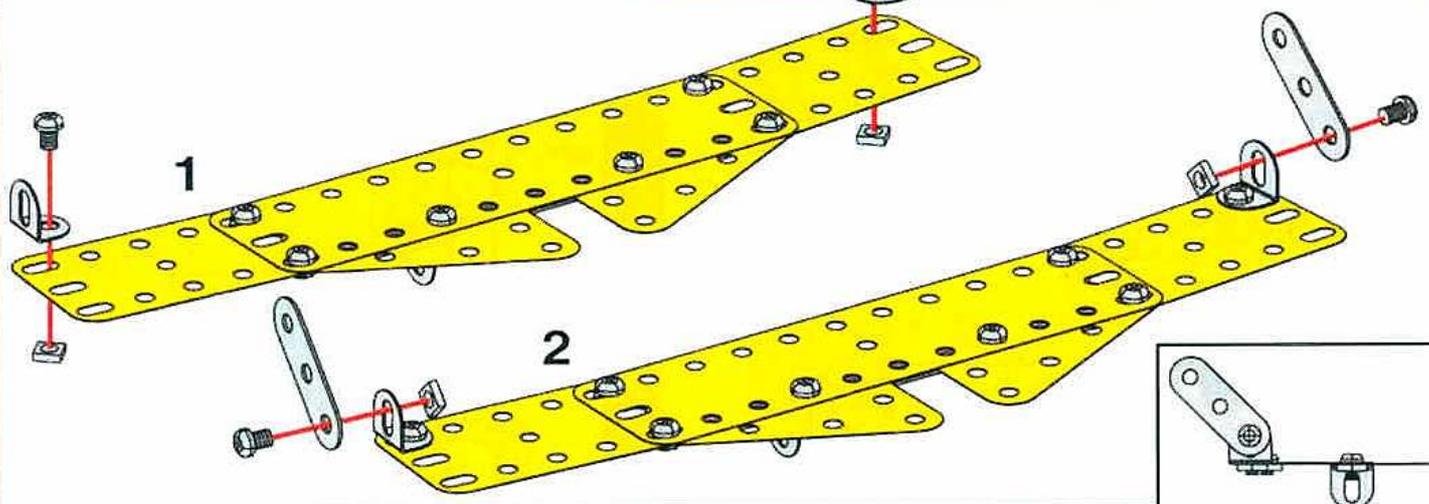


3 **2** +

-x 1 -x 2



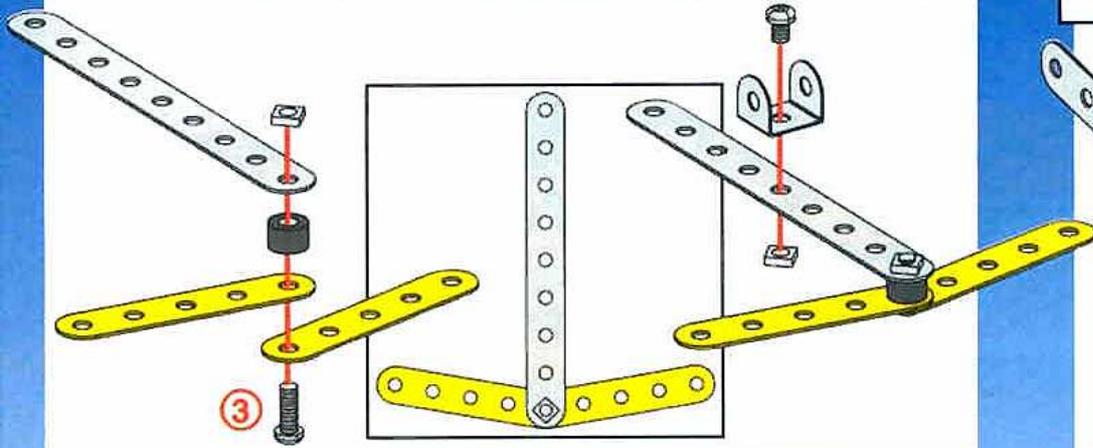
4 **3** + ~~1x6~~ -x 2 -x 2



5

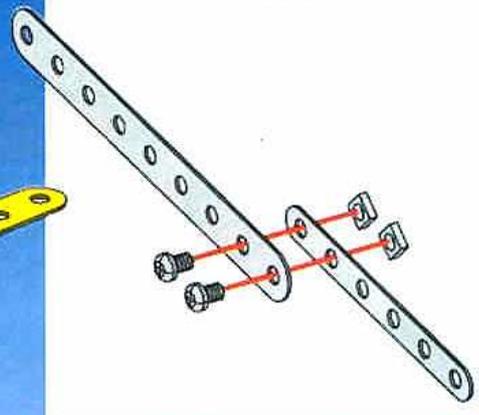
~~1~~ x 1 ~~2~~ x 2 ~~3~~ x 1

③ | 12 mm | 1/2" x 1 ~~4~~ x 1



6

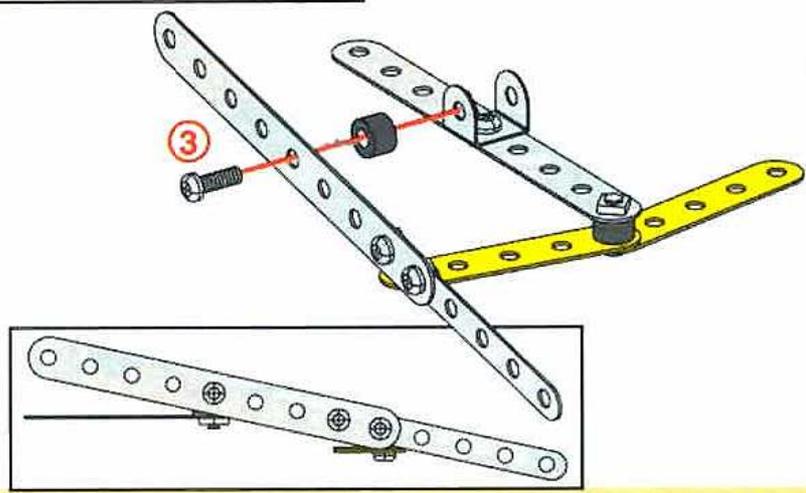
~~1~~ x 1 ~~2~~ x 1



7

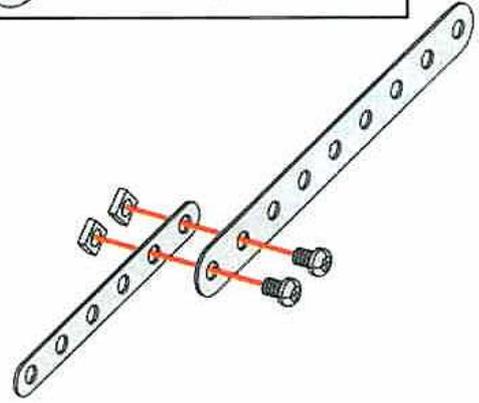
6 + ~~4~~ x 1

③ | 12 mm | 1/2" x 1



8

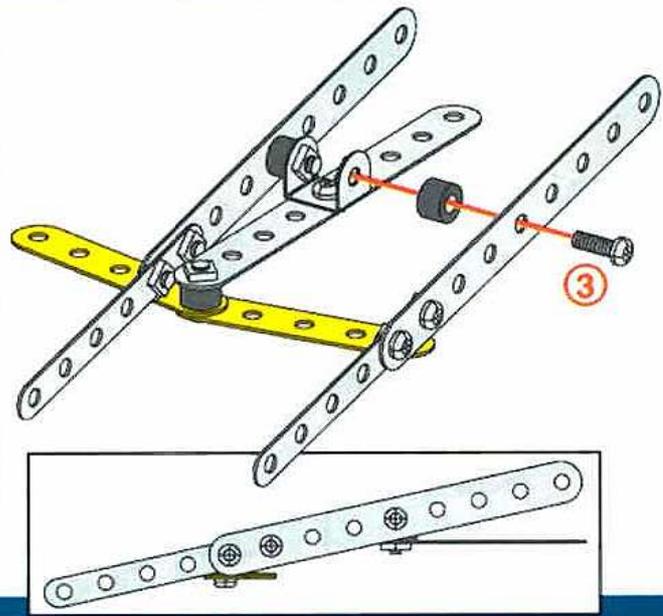
~~1~~ x 1 ~~2~~ x 1



9

8 + ~~4~~ x 1

③ | 12 mm | 1/2" x 1

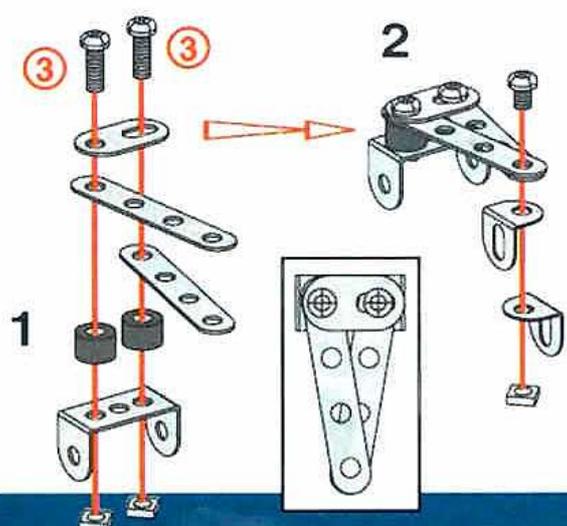


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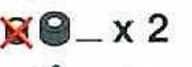
~~4~~ x 2 ~~5~~ x 1

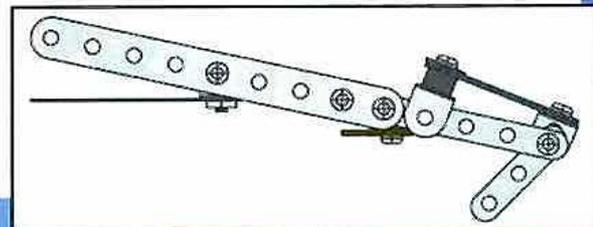
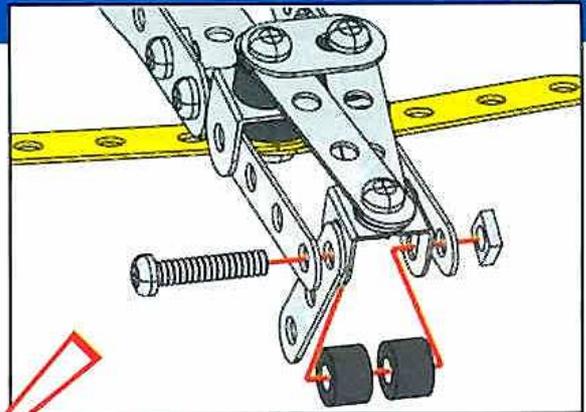
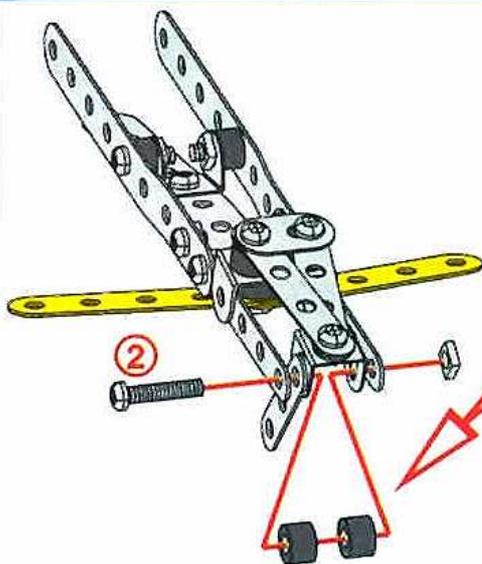
~~1~~ x 2 ~~2~~ x 2 ~~3~~ x 1

③ | 12 mm | 1/2" x 2

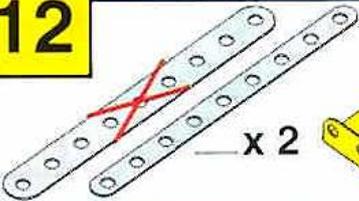
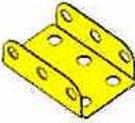


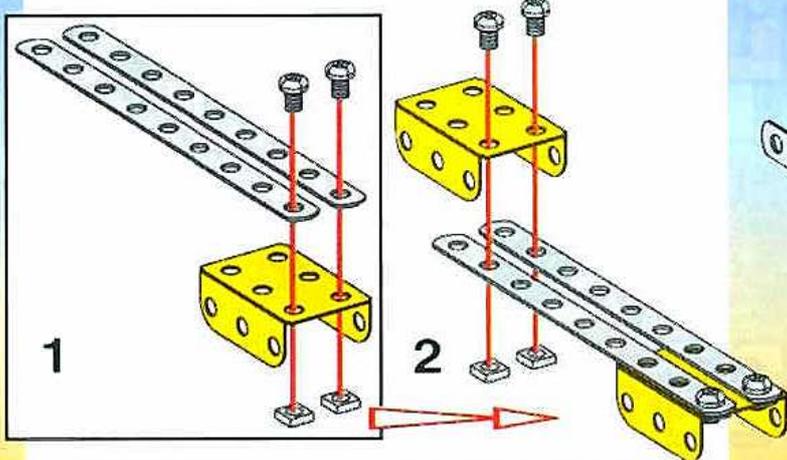
11 9 + 10 +

-  x 1
-  x 2
-  x 1

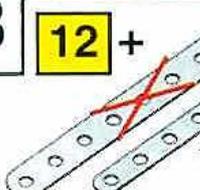


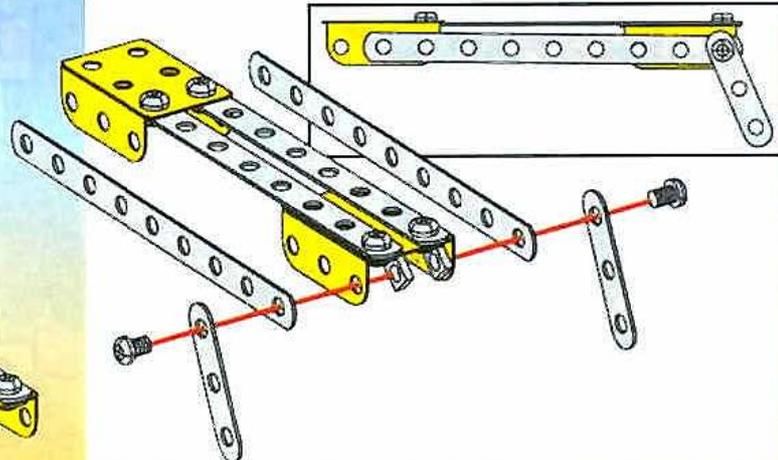
12

-  x 2
-  x 2

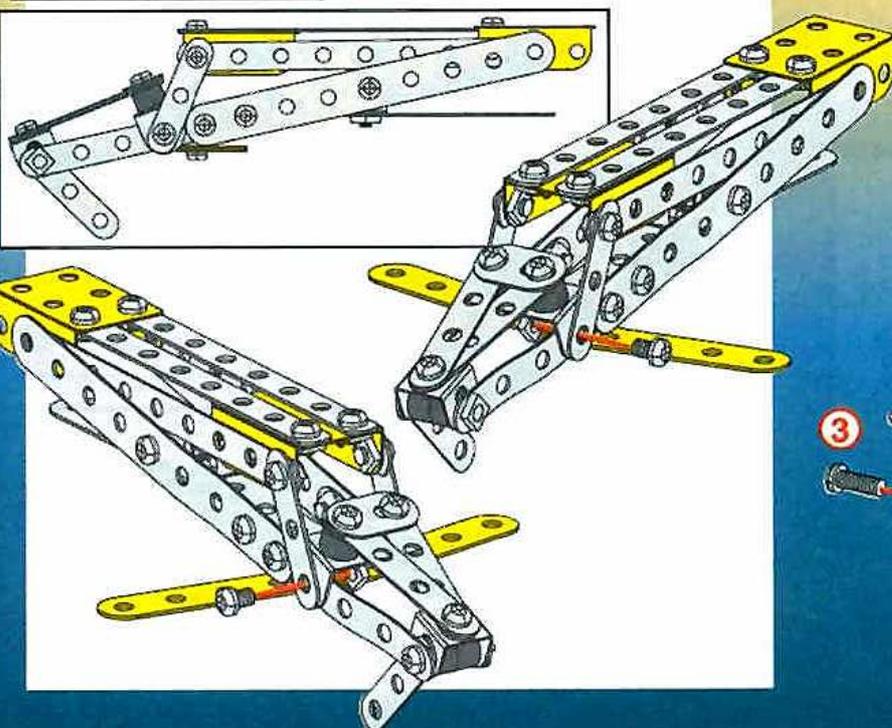


13 12 +

-  x 2
-  x 2

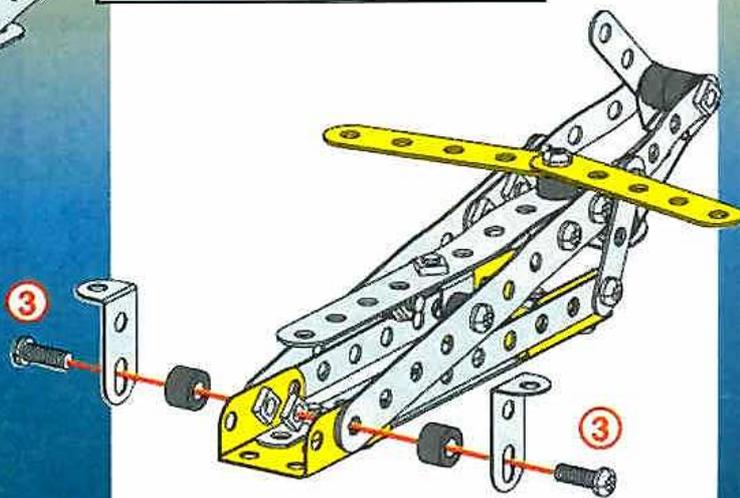


14 11 + 13

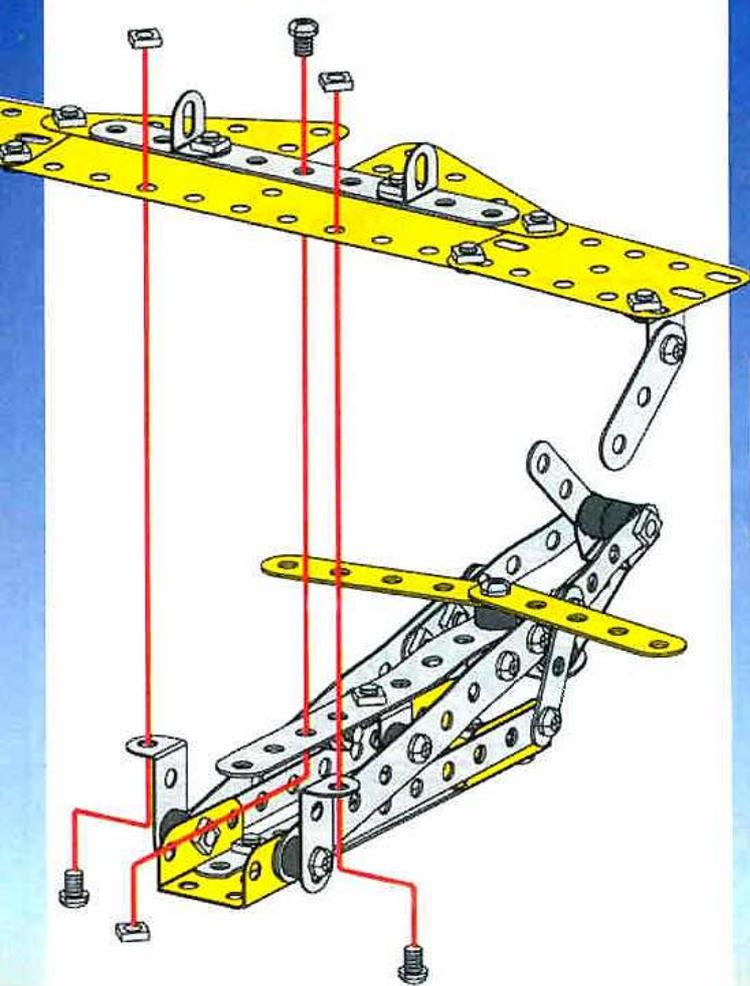


15 14 +

-  x 2
-  x 2

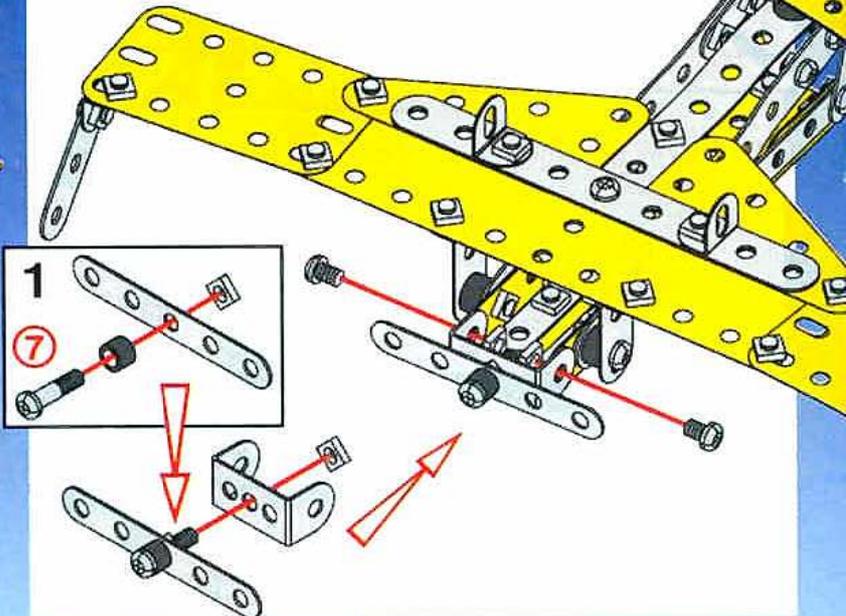


16 4 + 15



17 16 + [L-shaped bracket] x1 [Pin] x1

[Long thin beam] x1 [Pin] (7) | 14,7 mm | x1

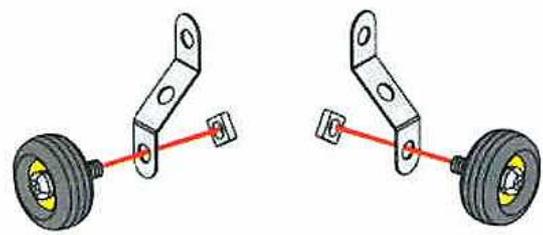


18 [Washer] x3 [Yellow bush] x3 [Pin] (7) | 14,7 mm | x3

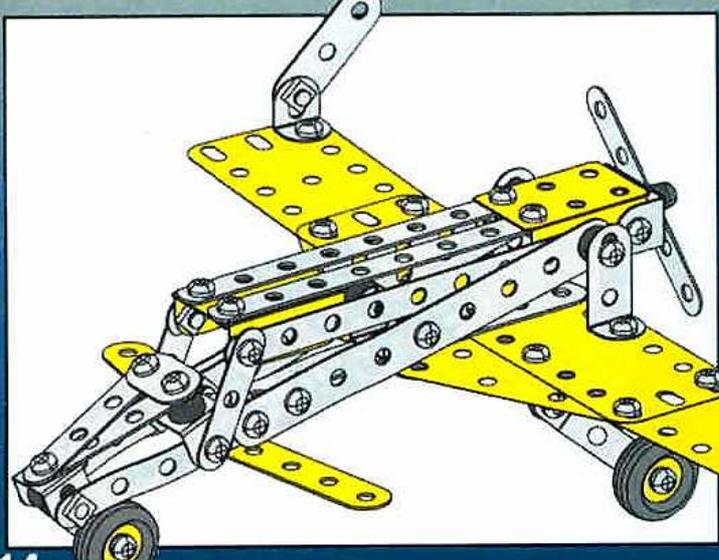
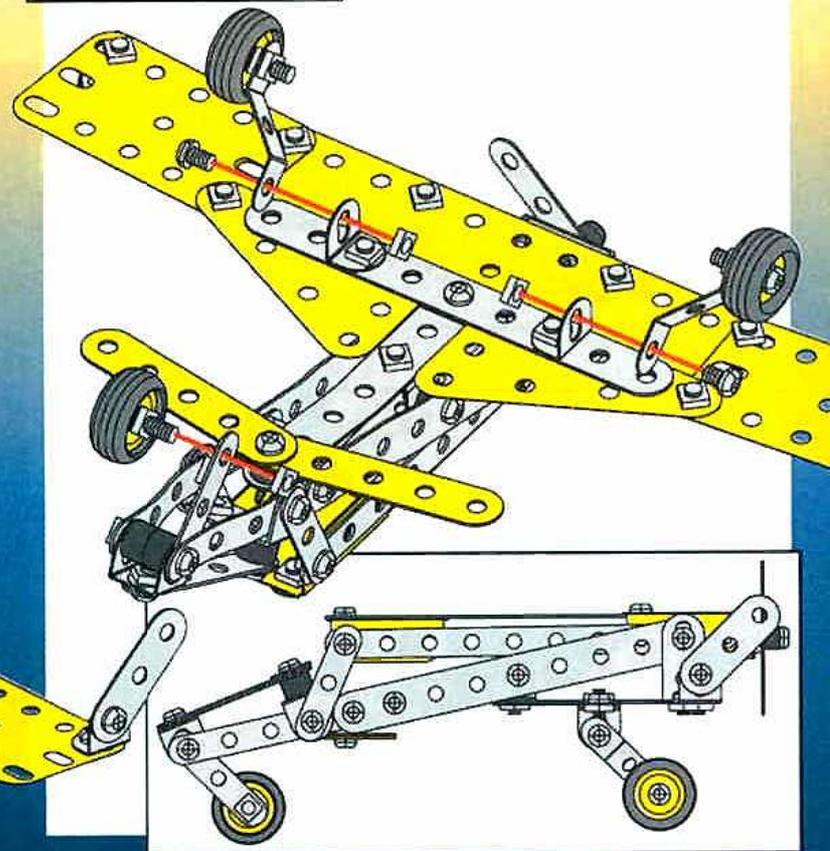
1 [Yellow bush] [Pin] (7)



19 18 + [L-shaped bracket] x2



20 17 + 19

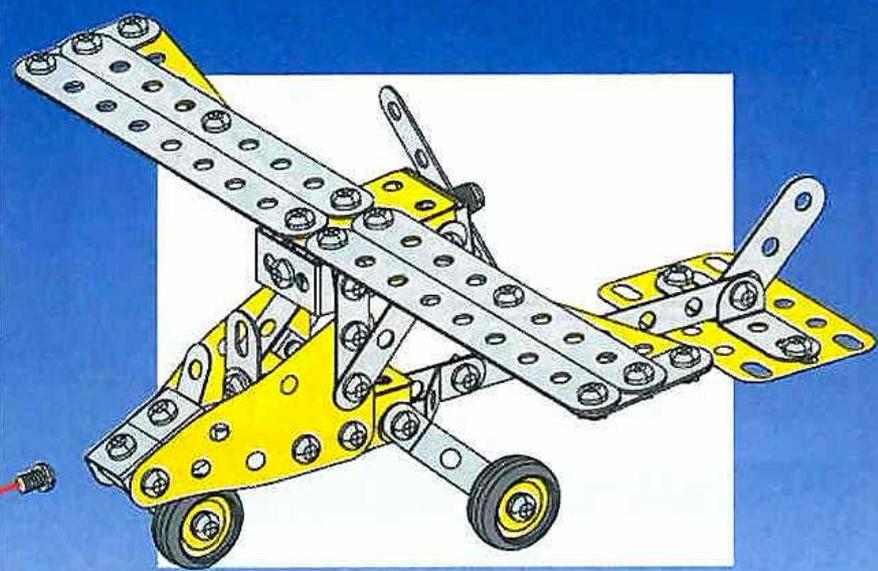


1

- x 1
- x 1
- x 1
- x 1

2 **1** +

- x 1
- x 2



3

- x 1
- x 1
- x 1
- 7 | 14,7 mm | x 1

1

4 **2** + **3** +

- x 2

5

- x 2

6

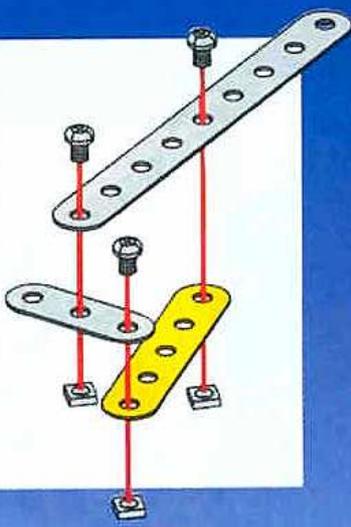
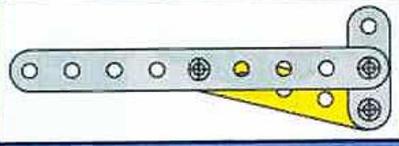
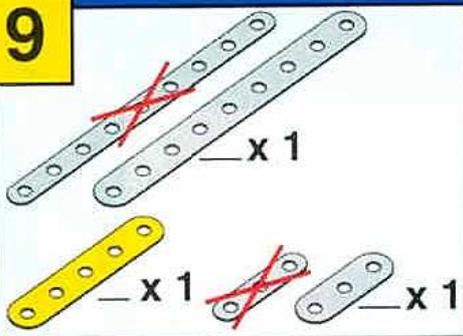
- x 1
- x 1
- x 1

7 **6** +

- x 1

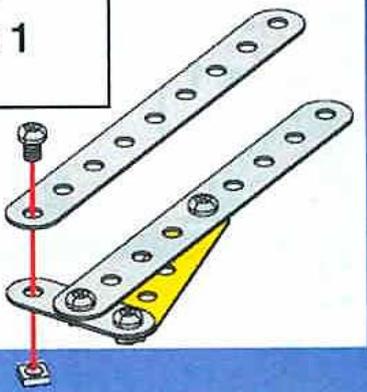
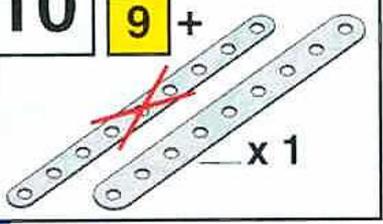
8 **5** + **7**

9



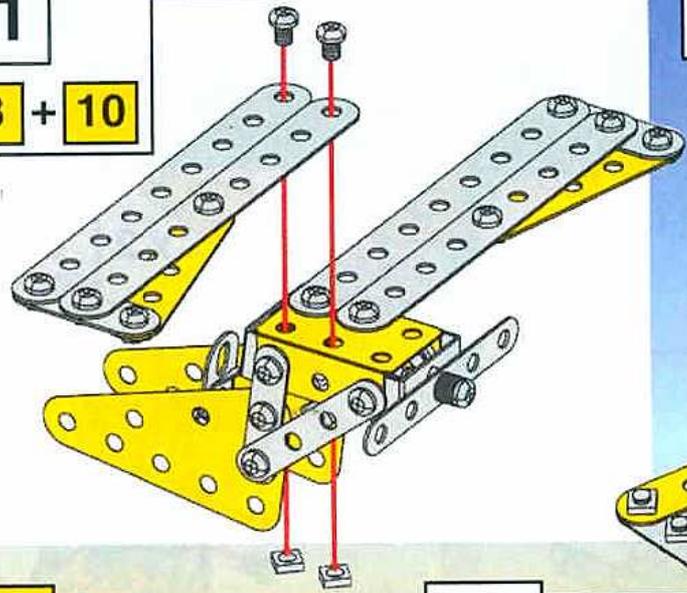
10

9 +



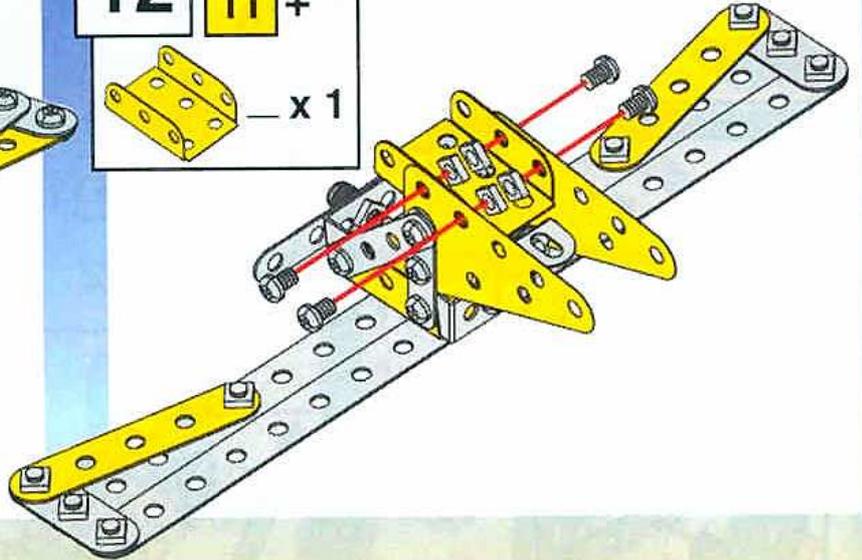
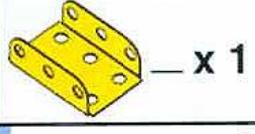
11

8 + 10

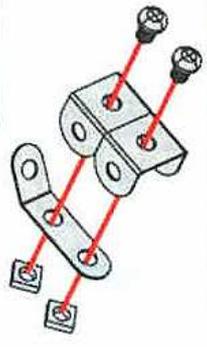
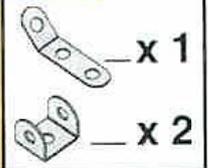


12

11 +

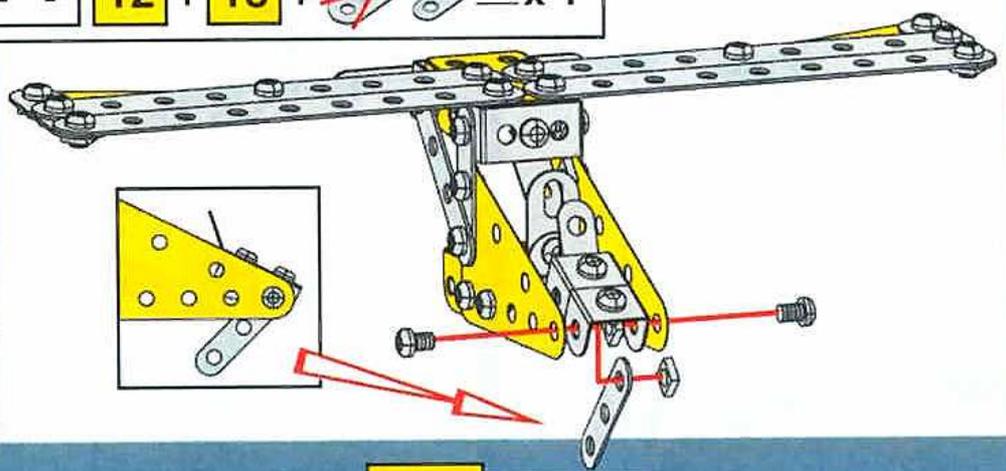


13

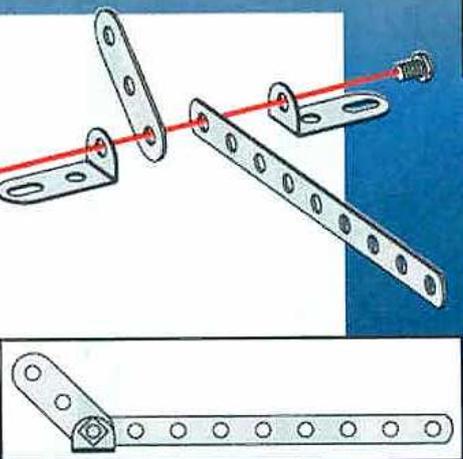
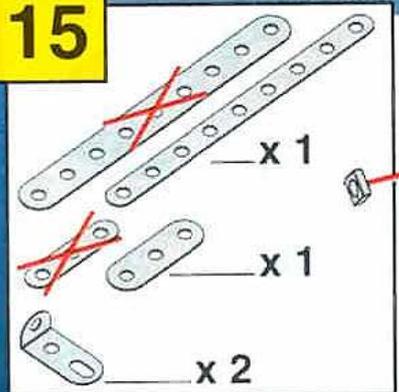


14

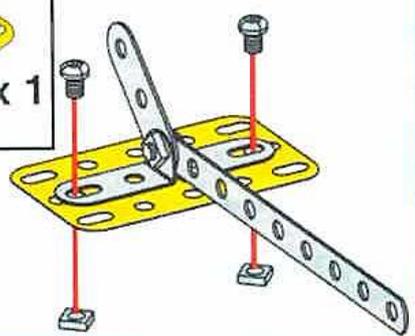
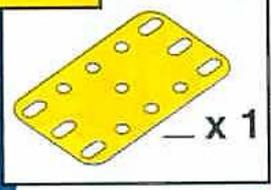
12 + 13 + ~~—x 1~~



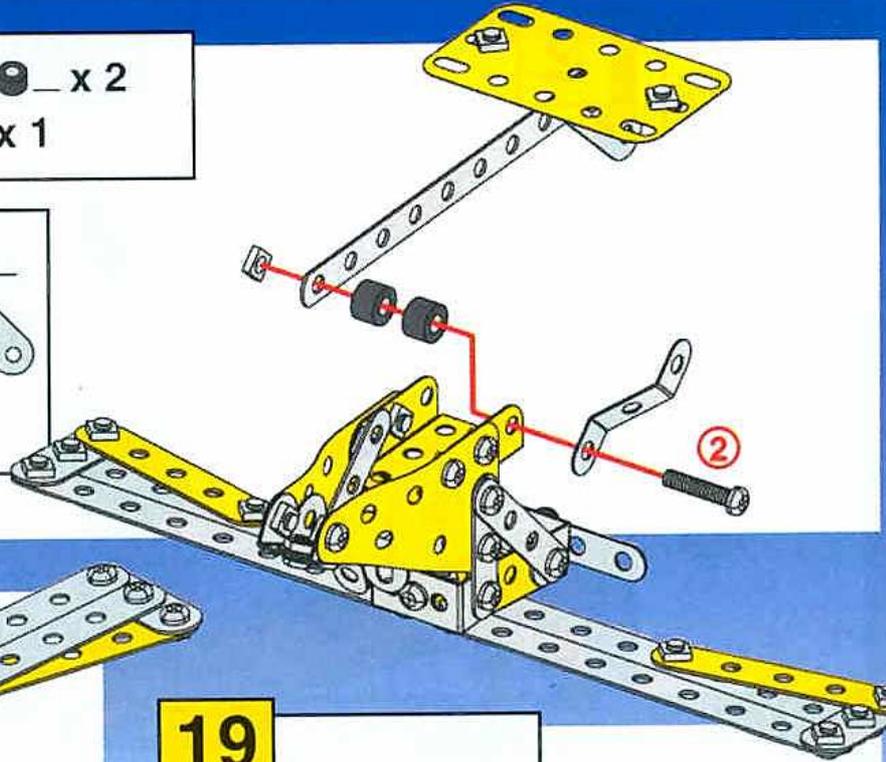
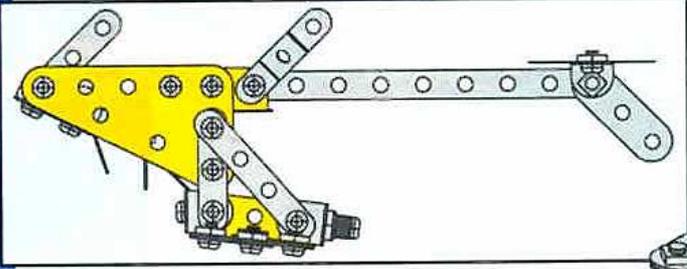
15



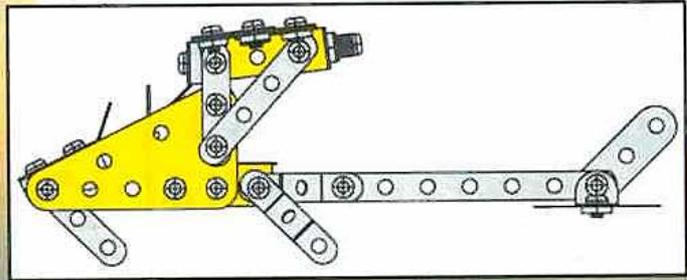
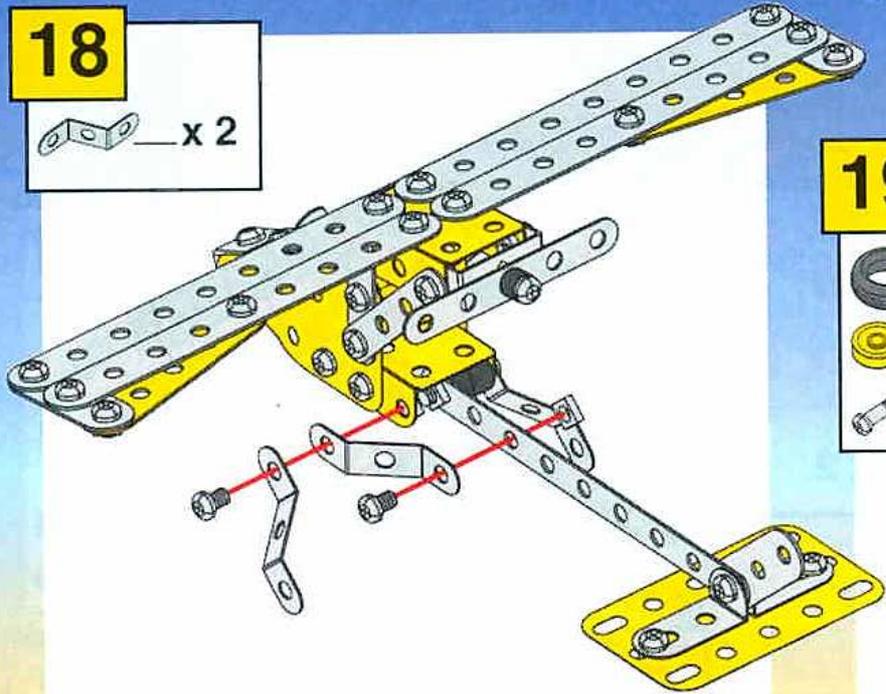
16



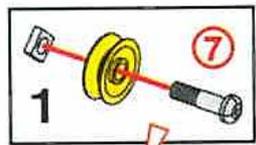
17 14 + 16 +  x 1  x 2
 (2) | 19 mm | $\frac{3}{4}$ " | x 1



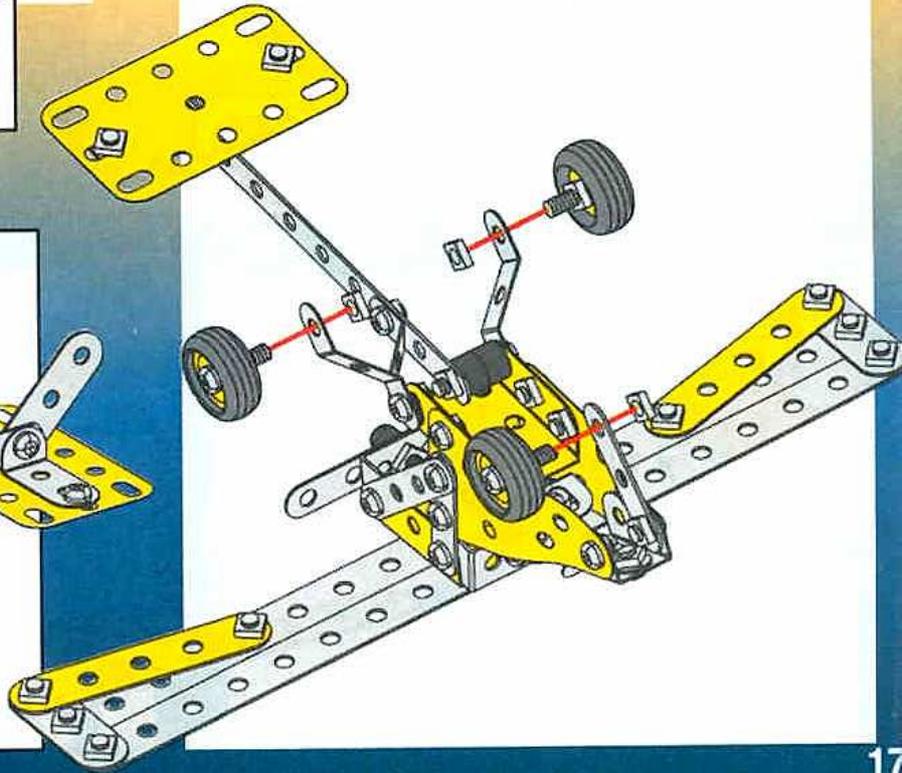
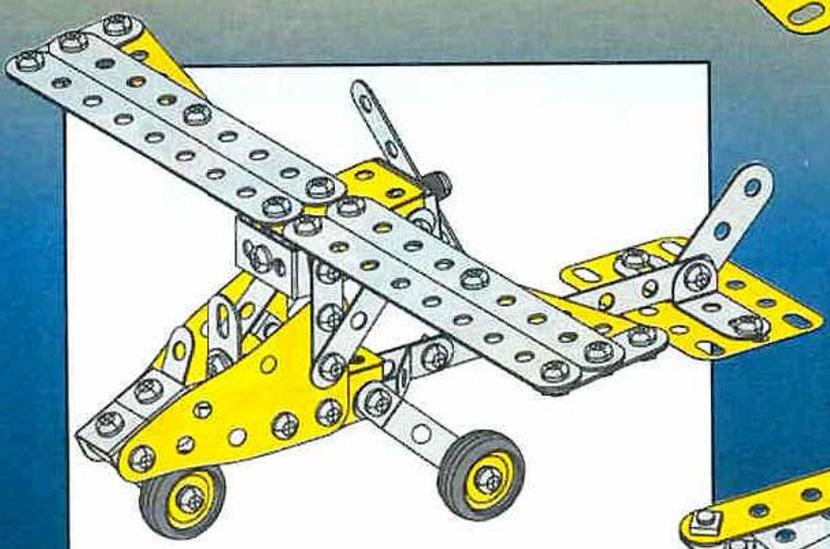
18  x 2



19  x 3
 x 3
 (7) | 14,7 mm | $\frac{9}{16}$ " | x 3



20 18 + 19



1

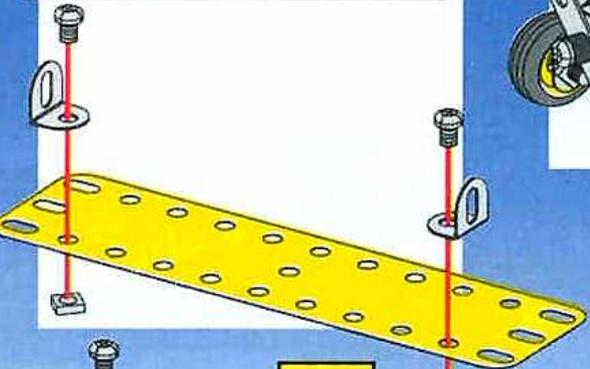
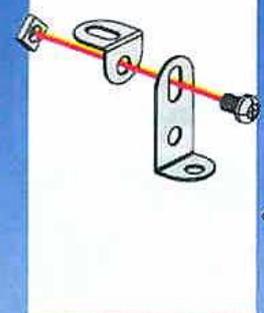
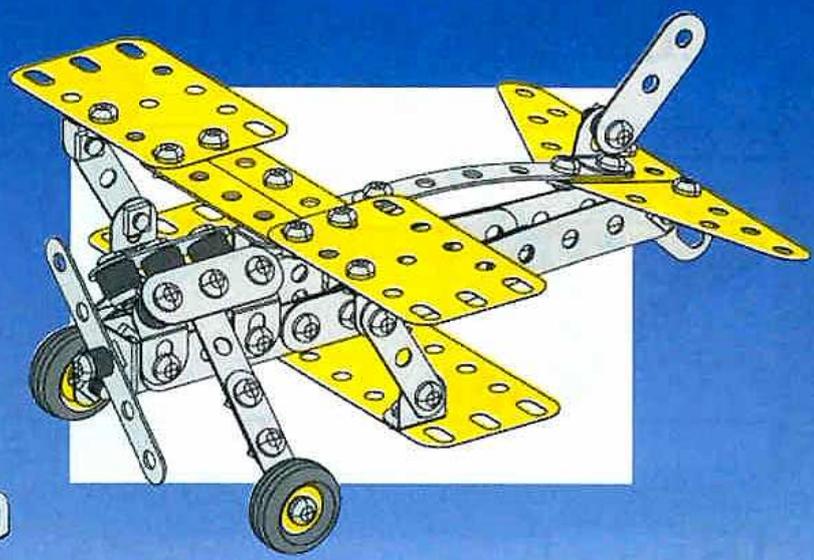
x 1

x 1

2

x 1

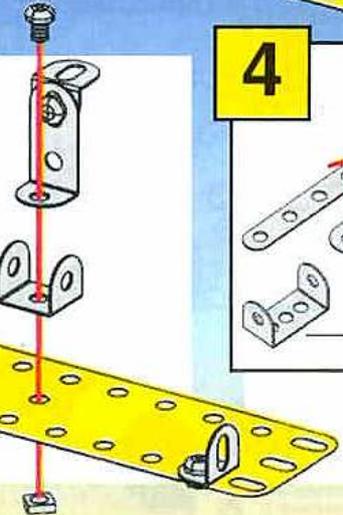
x 2



3

1 + 2 +

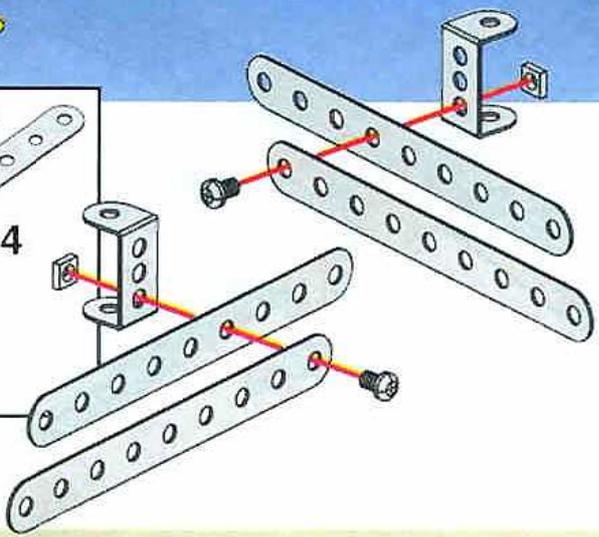
x 1



4

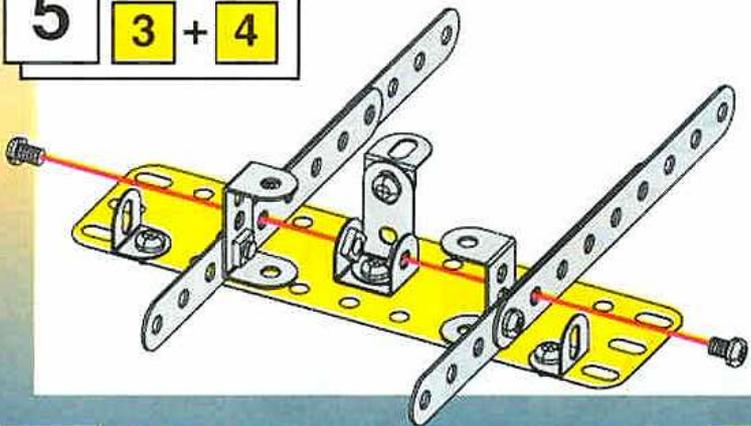
x 4

x 2



5

3 + 4

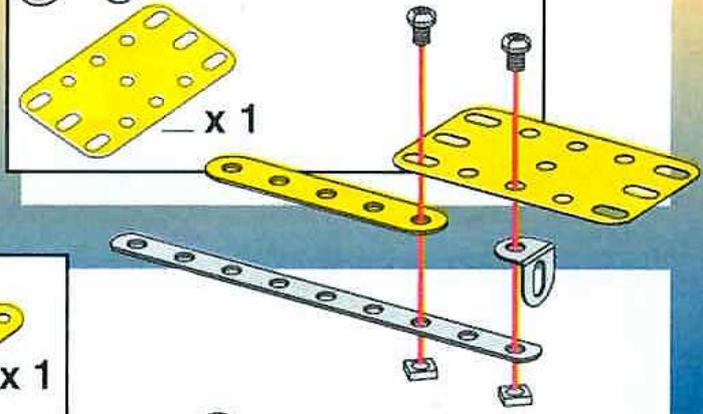


6

x 1

x 1

x 1

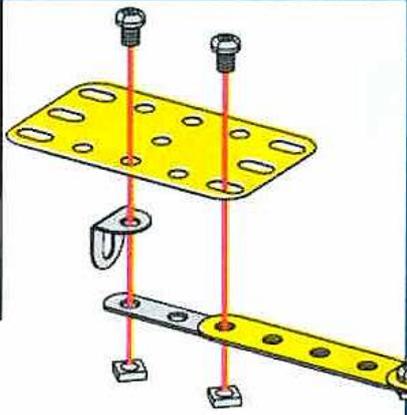


7

6 +

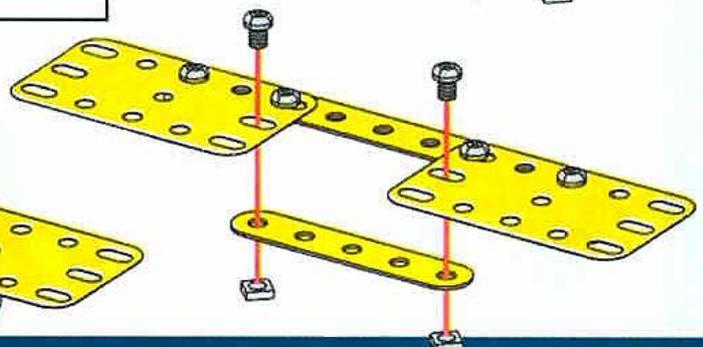
x 1

x 1



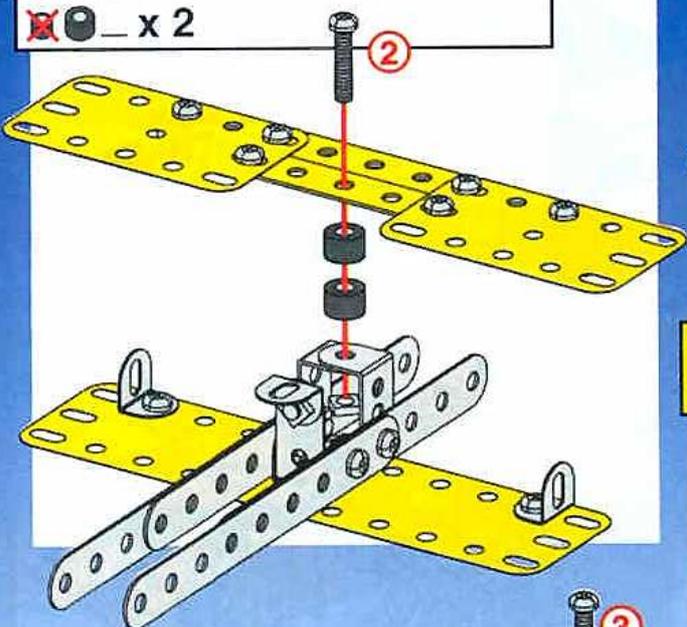
8

x 1

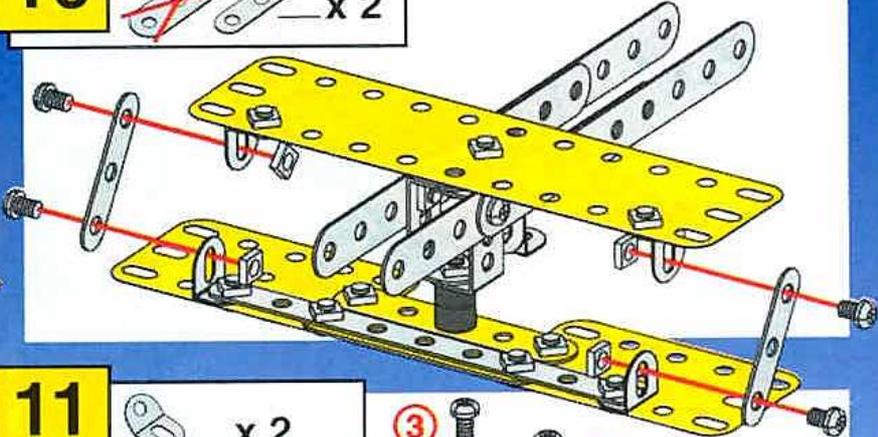


9 **8** +  | 19 mm | $\frac{3}{4}$ " | x 1

 x 2

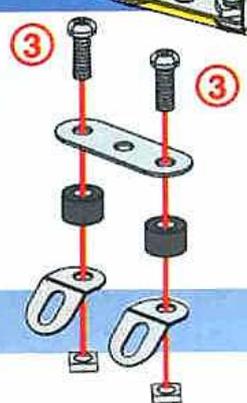


10  x 2



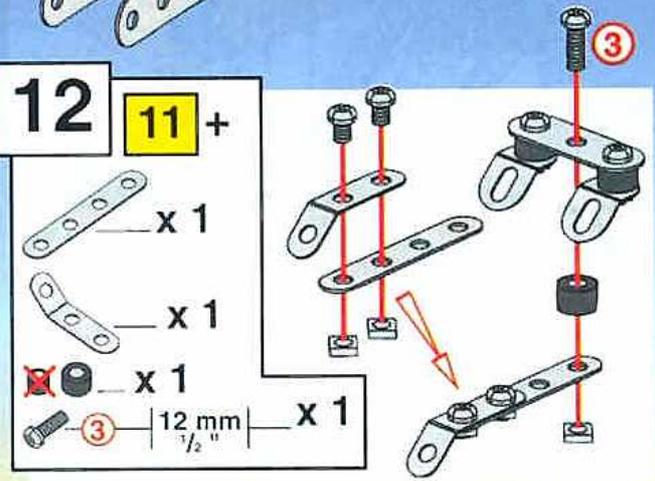
11  x 2

 x 1
 x 2
 | 12 mm | $\frac{1}{2}$ " | x 2



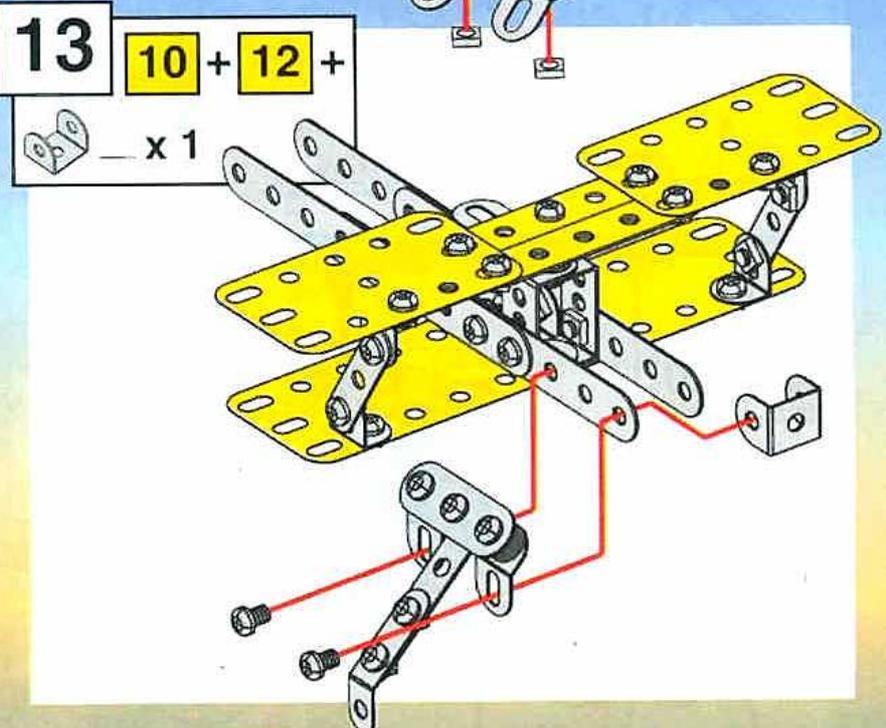
12 **11** +

 x 1
 x 1
 x 1
 | 12 mm | $\frac{1}{2}$ " | x 1



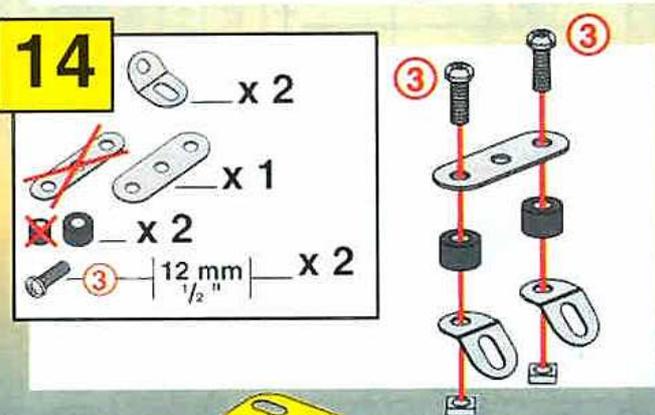
13 **10** + **12** +

 x 1



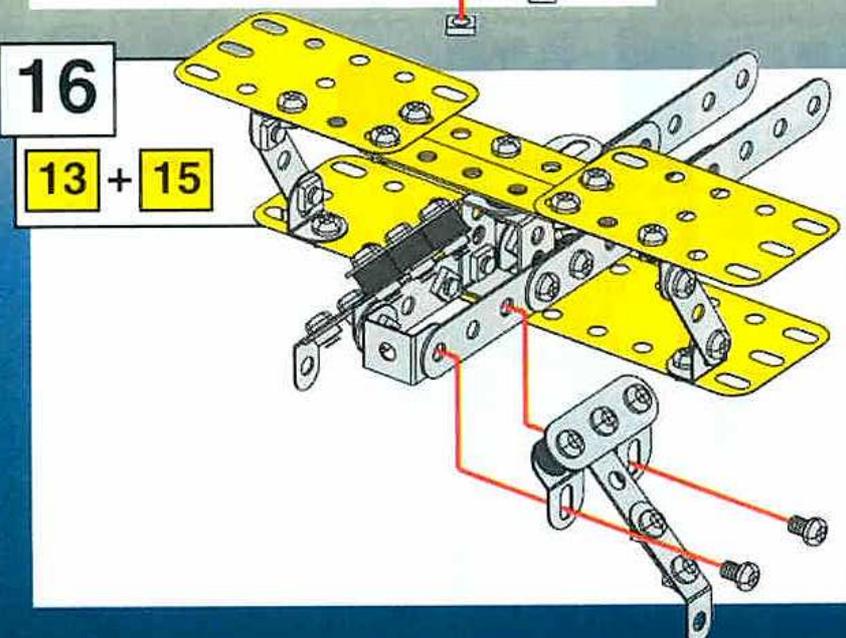
14  x 2

 x 1
 x 2
 | 12 mm | $\frac{1}{2}$ " | x 2



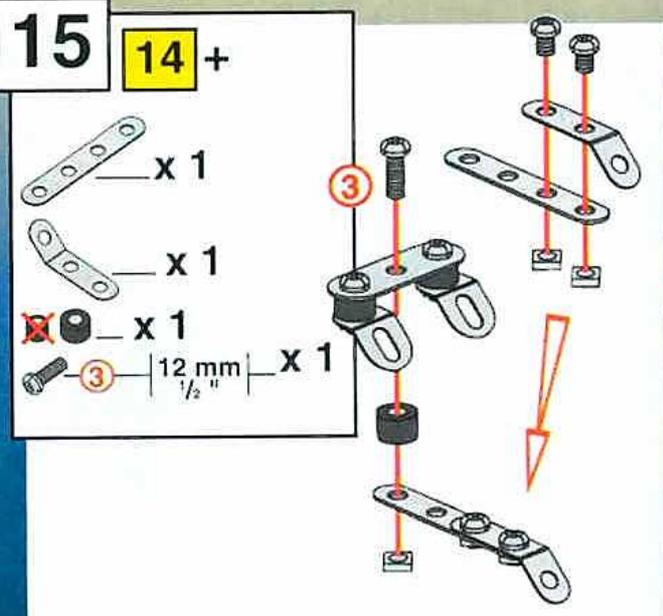
16

13 + **15**



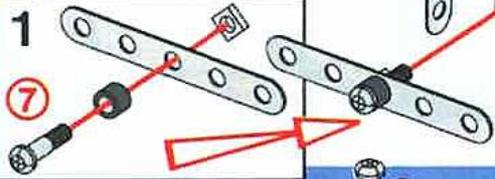
15 **14** +

 x 1
 x 1
 x 1
 | 12 mm | $\frac{1}{2}$ " | x 1



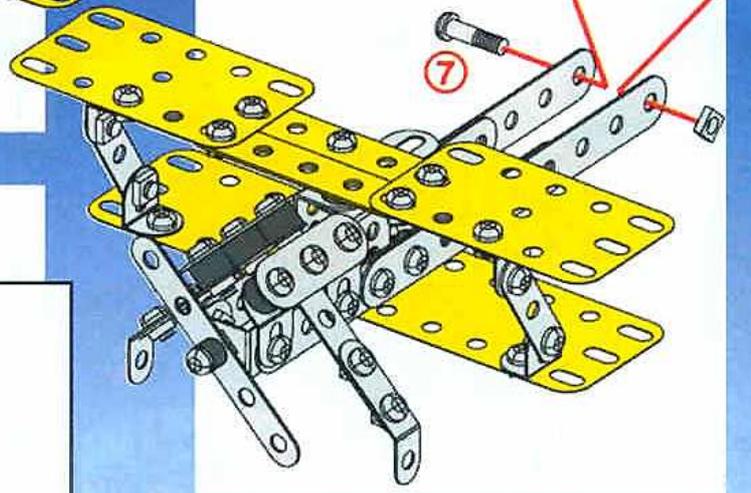
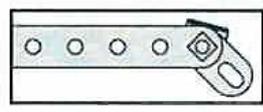
17

- x 1
- x 1
- | 14,7 mm | $\frac{9}{16}$ " | x 1



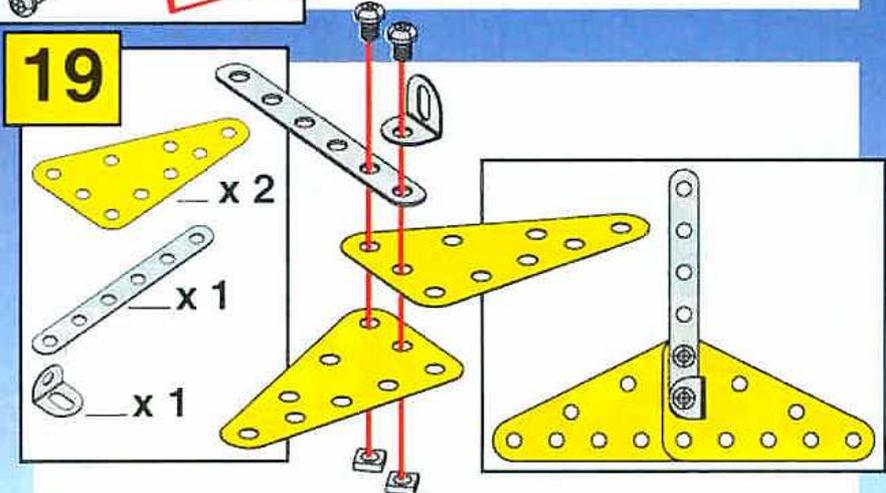
18

- 17** + x 2
- x 1
- x 1
- | 14,7 mm | $\frac{9}{16}$ " | x 1



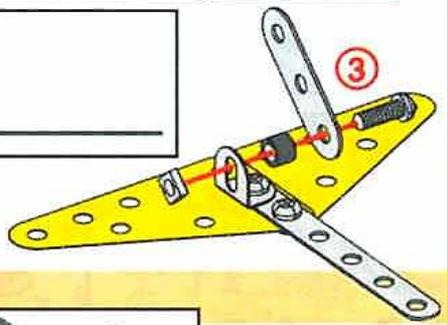
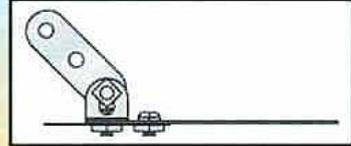
19

- x 2
- x 1
- x 1



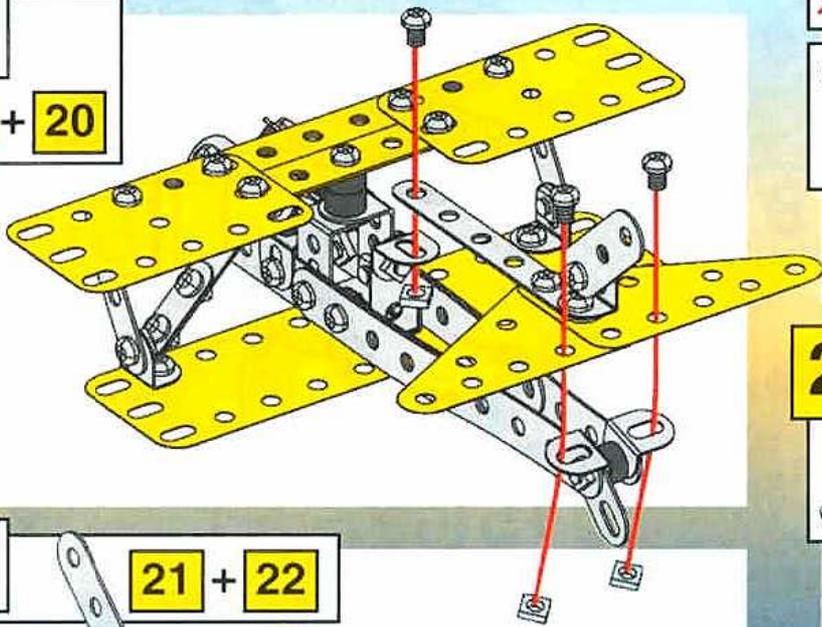
20

- 19** + x 1
- x 1
- | 12 mm | $\frac{1}{2}$ " | x 1



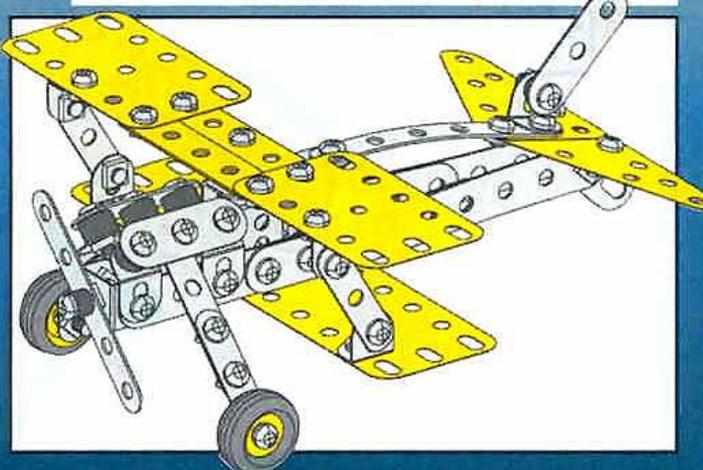
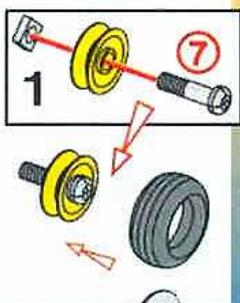
21

18 + **20**



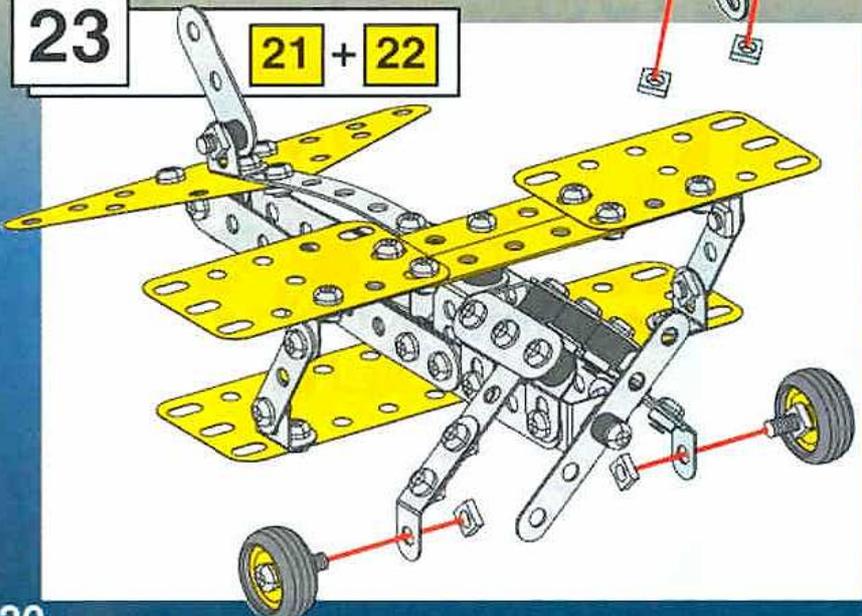
22

- x 2
- x 2
- | 14,7 mm | $\frac{9}{16}$ " | x 2



23

21 + **22**



1

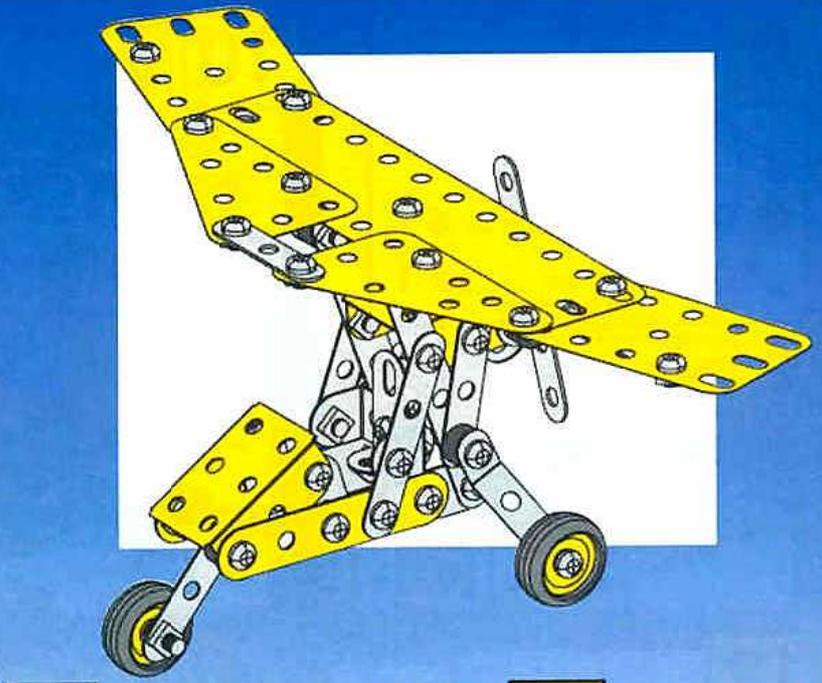
x 1
x 2

2 **1** +

x 1

3

x 1
x 1
x 1
③ | 12 mm | x 1



4 **3** +

x 2

5

x 1
x 1

6 **4** + **5** +

x 2

7

x 1
x 1
x 1

③ | 12 mm | x 1

8 **7** +

x 1
x 1
x 1

③ | 12 mm | x 1

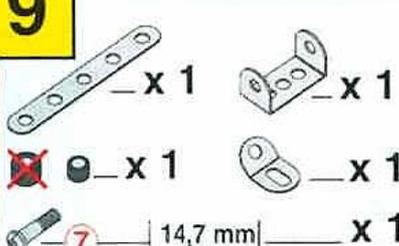
1

2

1

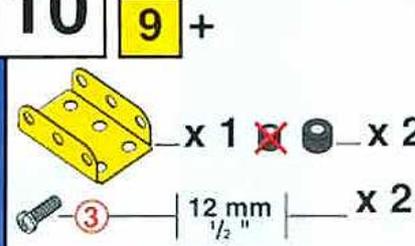
1

9



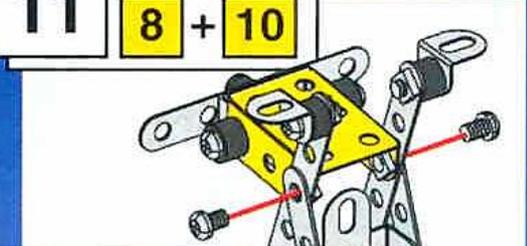
 —x 1 —x 1
~~●~~ —x 1 —x 1
 (7) | 14.7 mm | —x 1
 7/16"

10 **9** +

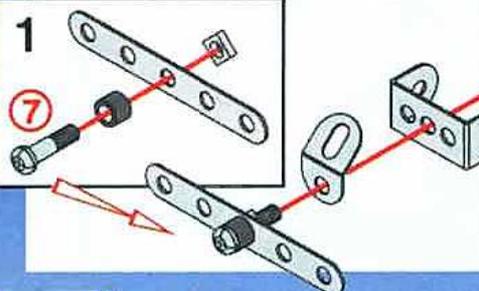


 —x 1 ~~●~~ —x 2
 (3) | 12 mm | —x 2
 1/2"

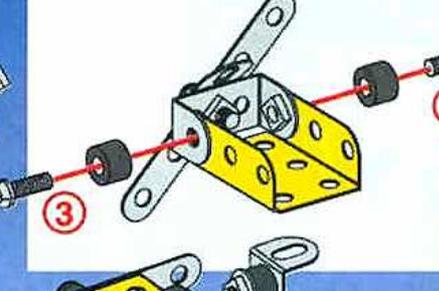
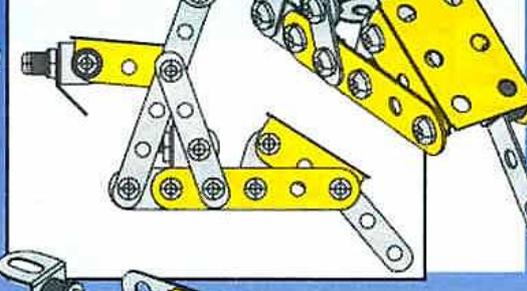
11 **8** + **10**



1



3

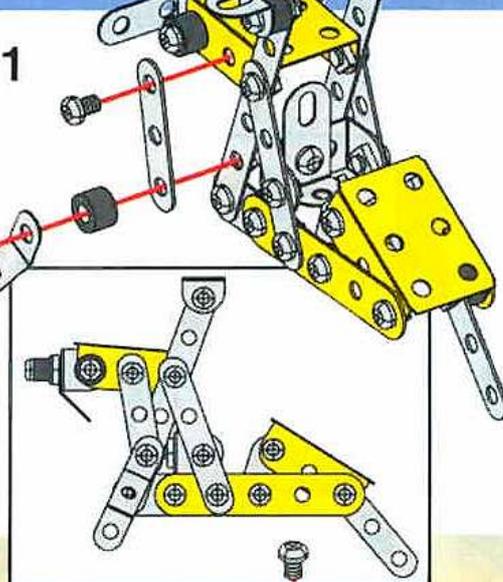



12

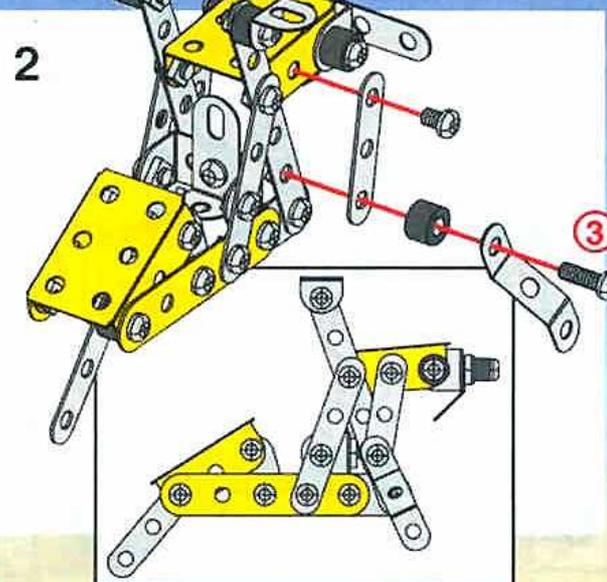


~~—~~ —x 2
 —x 2 (3)
~~●~~ —x 2
 (3) | 12 mm | —x 2
 1/2"

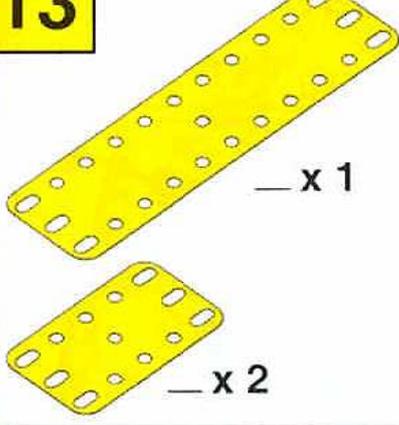
1



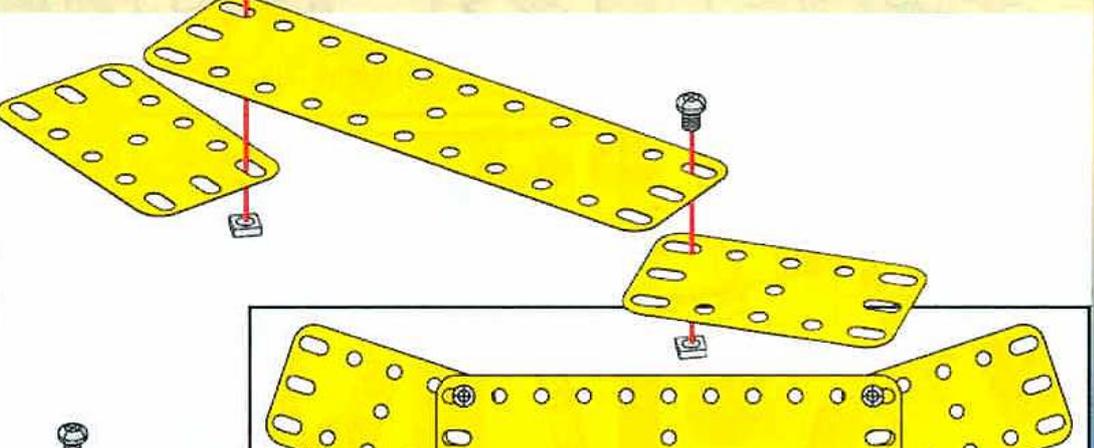
2



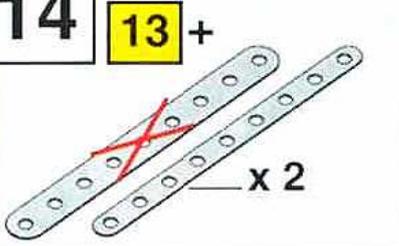
13



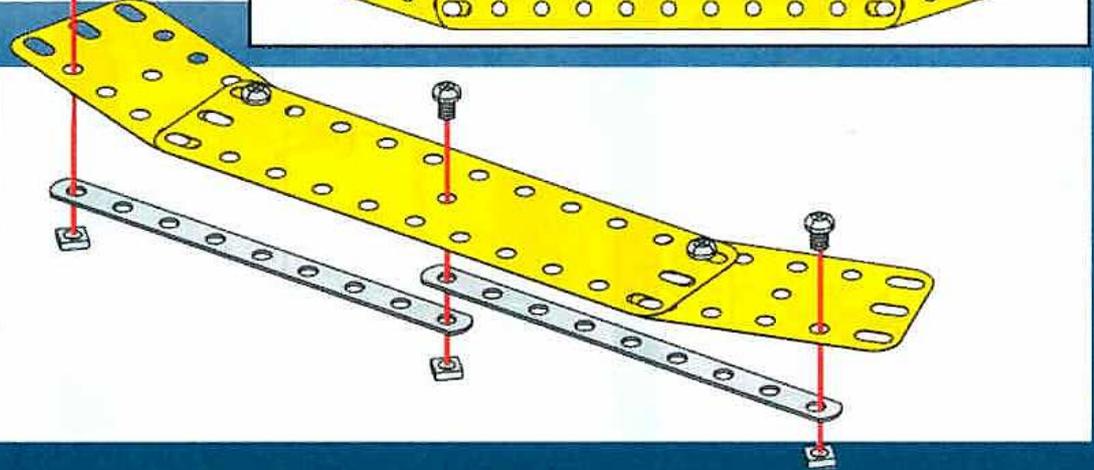
 —x 1
 —x 2

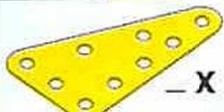


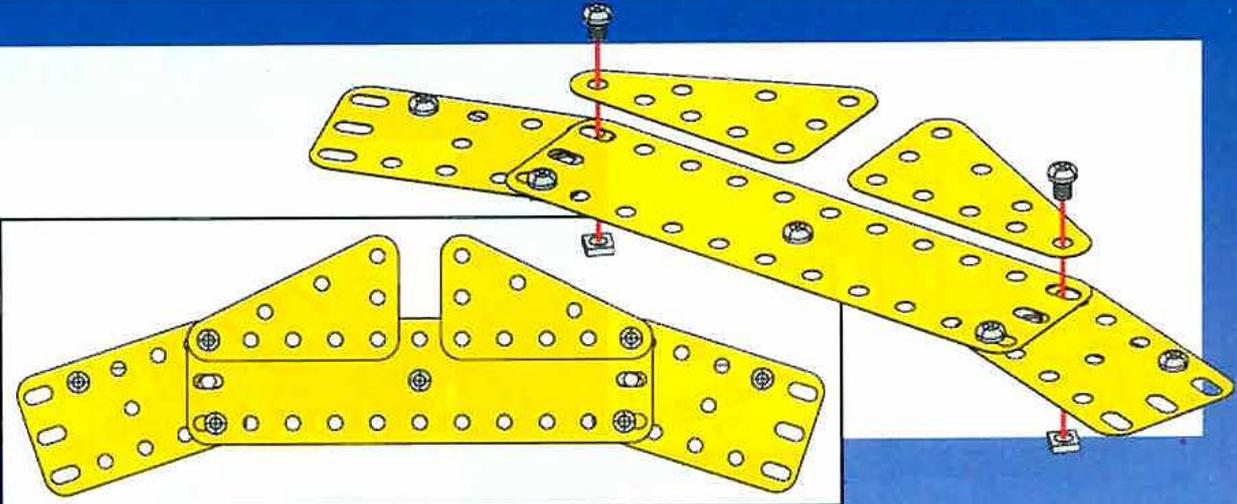
14 **13** +



 —x 2



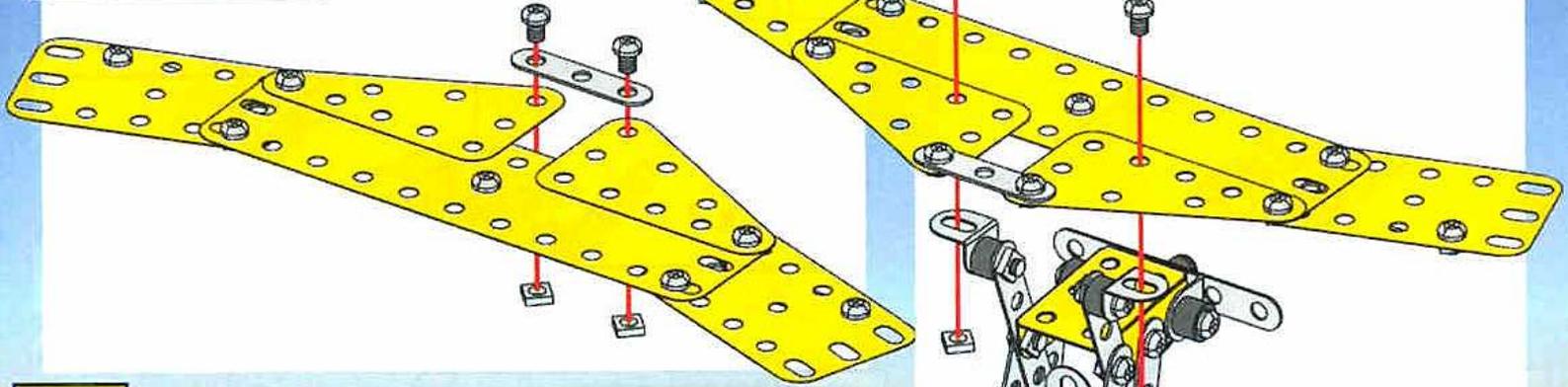
15 **14** +

 - x 2



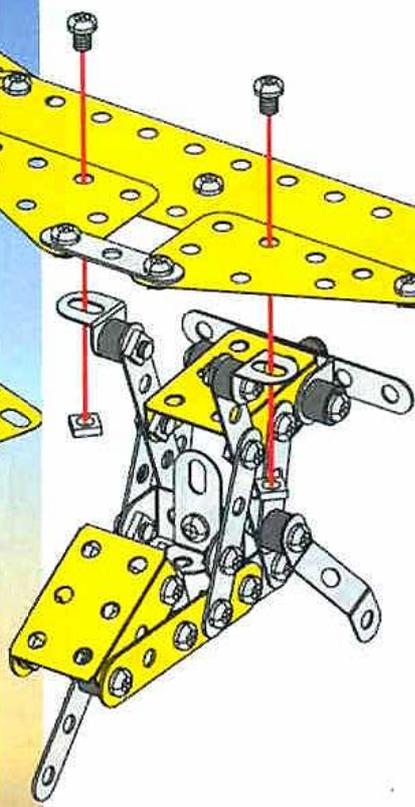
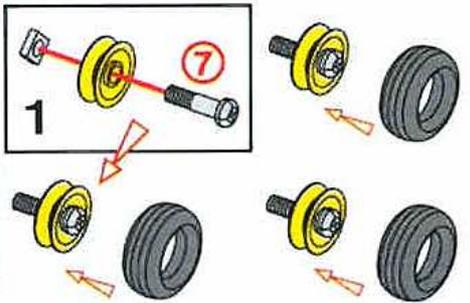
16

 - x 1

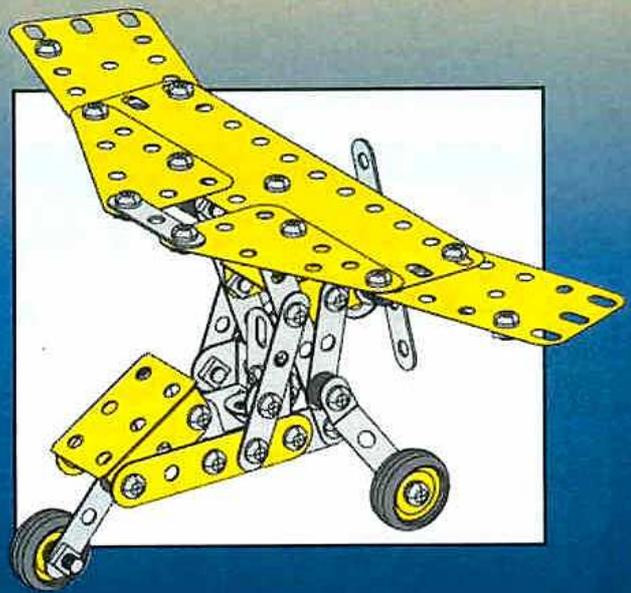
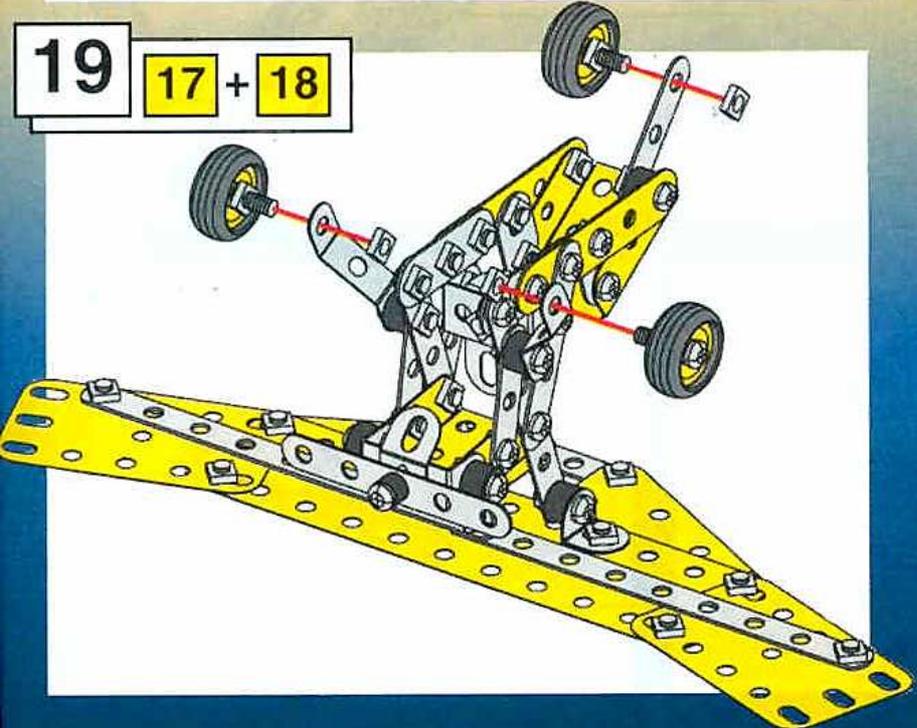
17 **12** + **16**



18
 x 3
 x 3
 7 | 14.7 mm | 9/16" | x 3



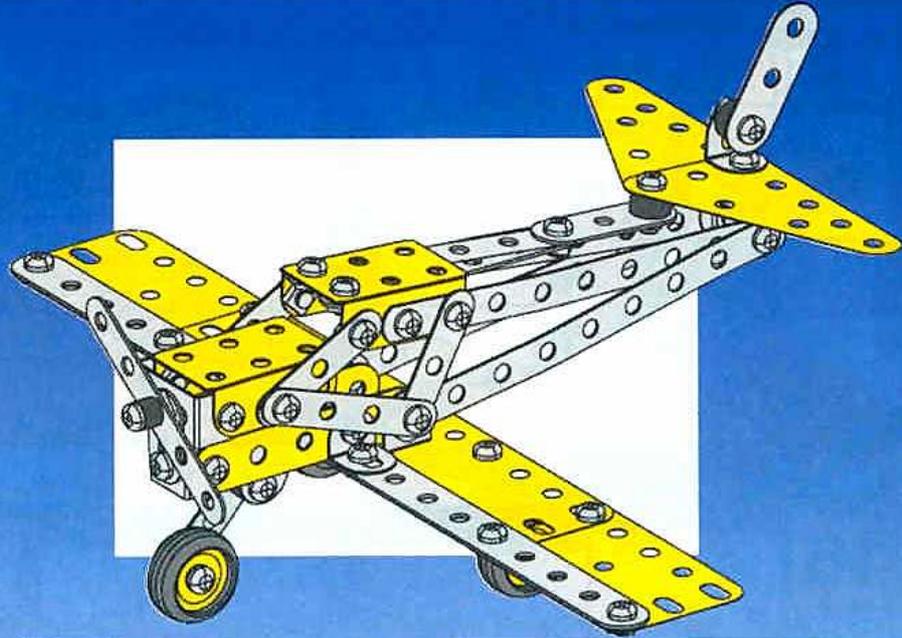
19 **17** + **18**



1

x 2

x 1



2 **1** +

x 2

3 **2** +

x 2

x 1

4 **3** +

x 2

5 **4** +

x 2

6

x 1

x 1

x 1

x 1

x 1

14,7 mm
5/16"

1

7

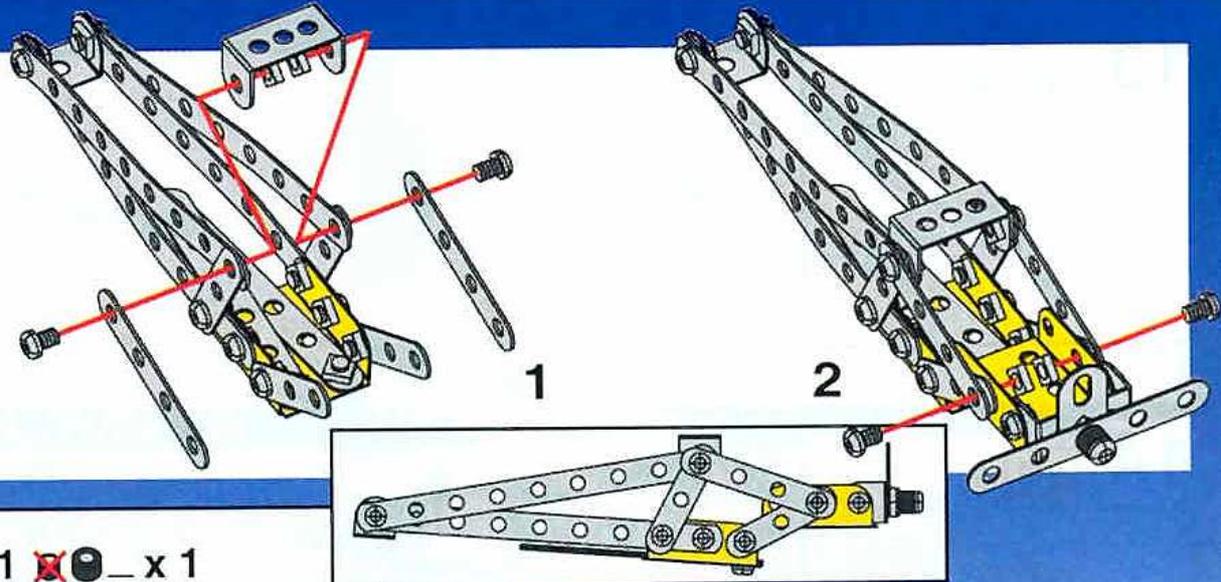
7 **6** +

x 1

8

5 + 7 +

x 2
x 1

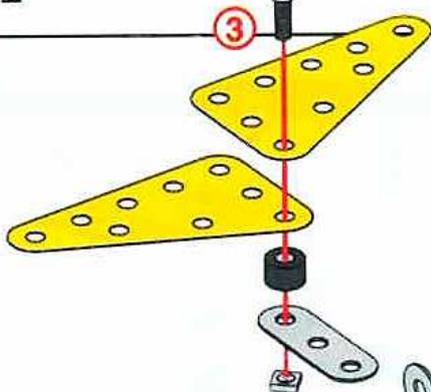
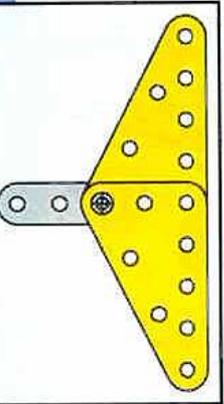


9

x 1 ~~x 1~~

x 2

③ | 12 mm | 1/2" x 1

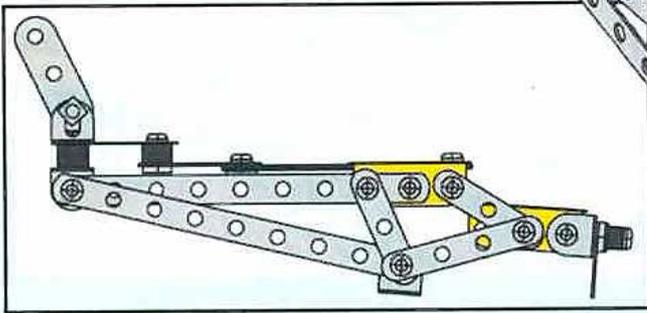


11

10 + ~~x 1~~

x 1

③ | 12 mm | 1/2" x 1

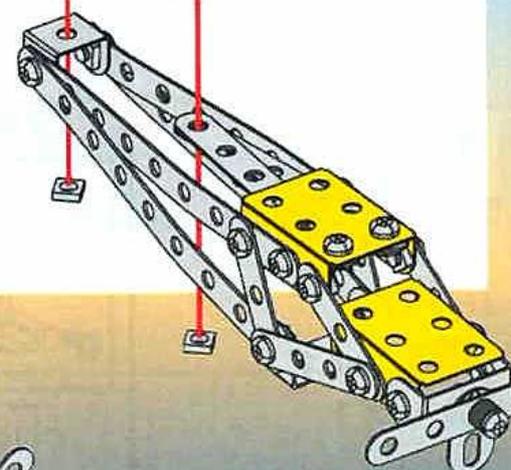
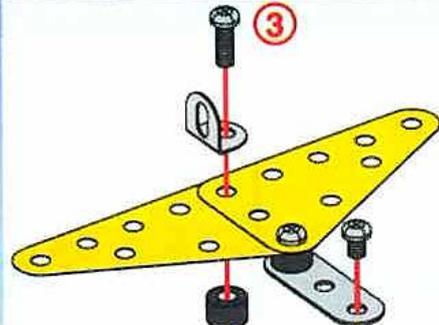


10

8 + 9 +

x 1 ~~x 1~~

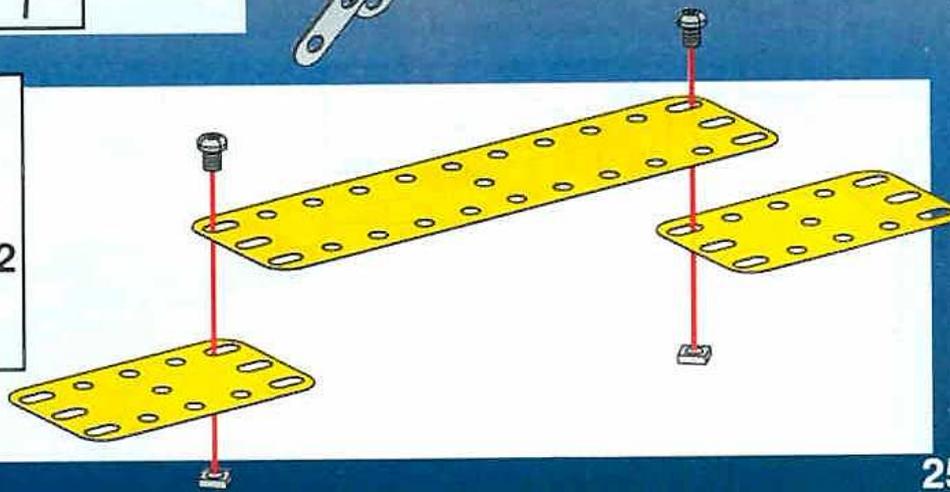
③ | 12 mm | 1/2" x 1



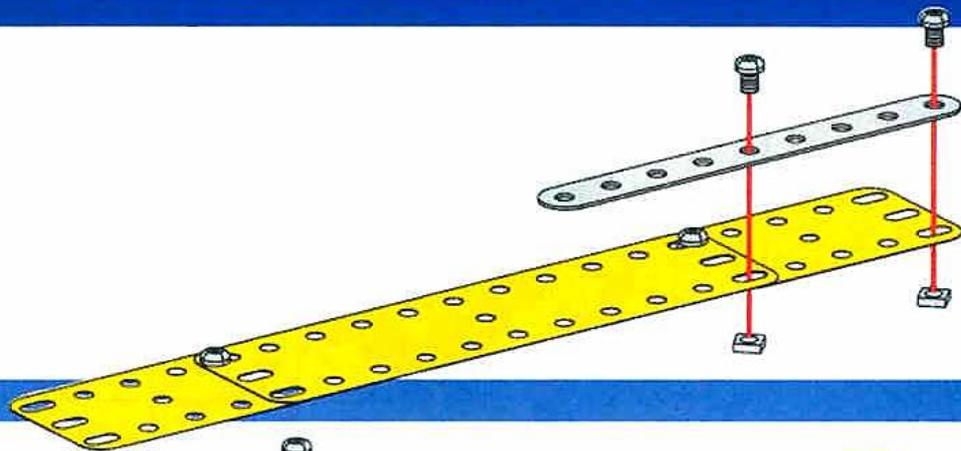
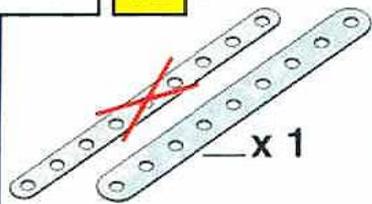
12

x 1

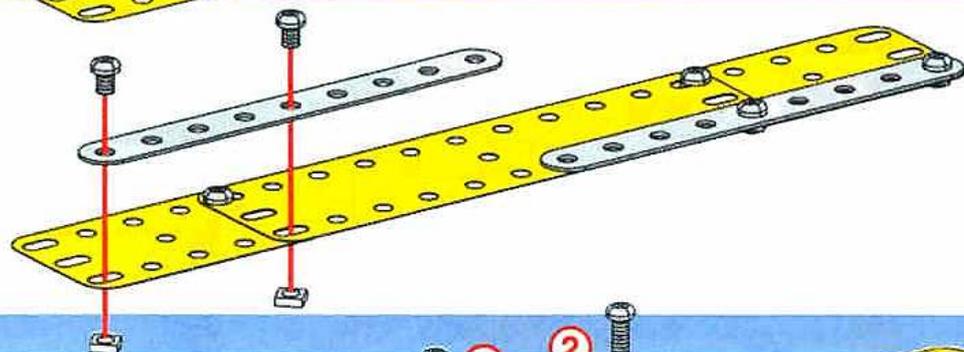
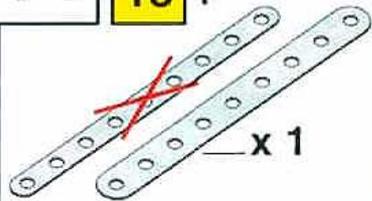
x 2



13 12+

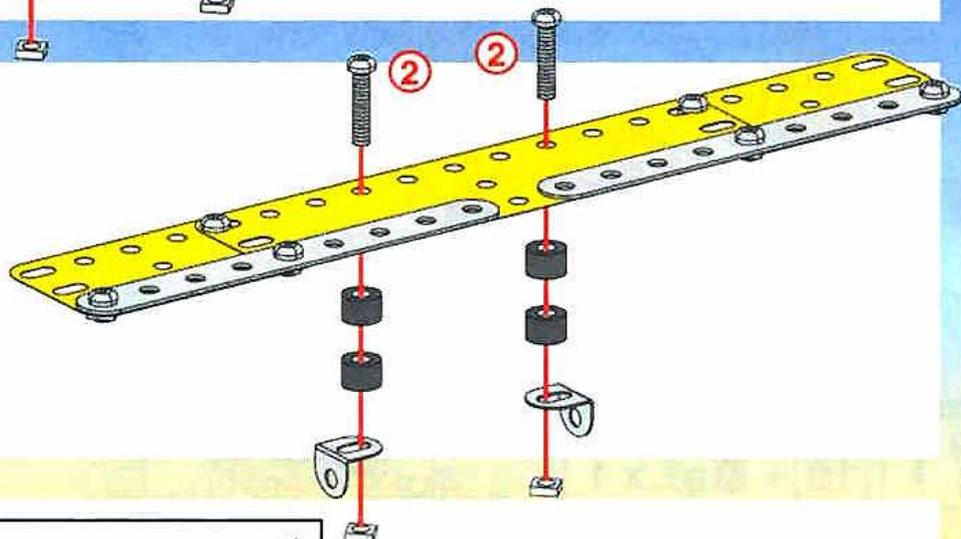


14 13+



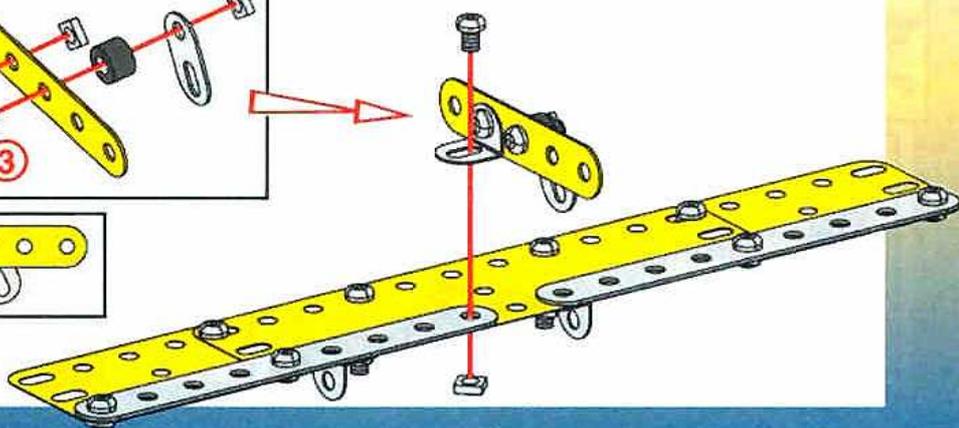
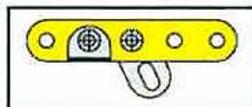
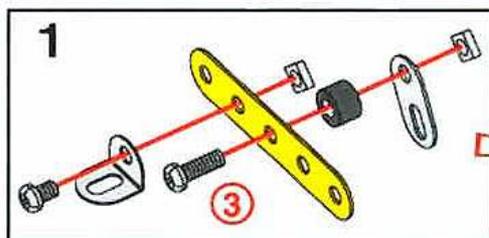
15 14+

- x 2
- x 4
- ② | 19 mm | 3/4" | x 2



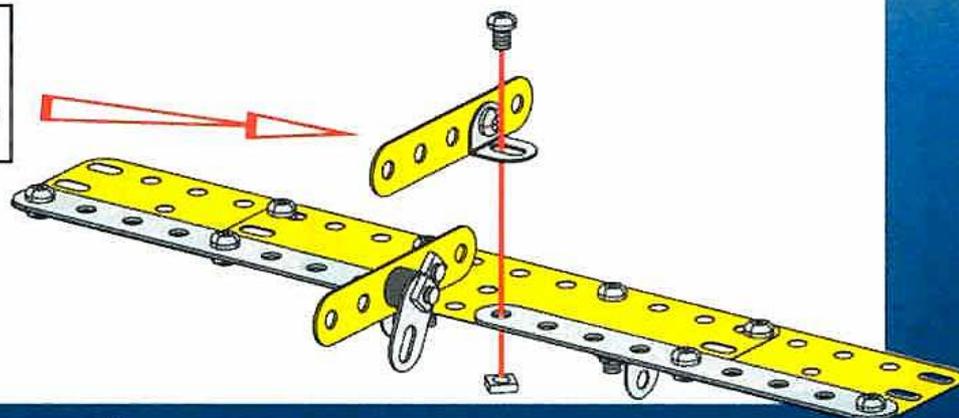
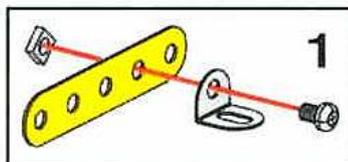
16 15+

- x 1
- x 1
- x 1
- x 1
- ③ | 12 mm | 1/2" | x 1

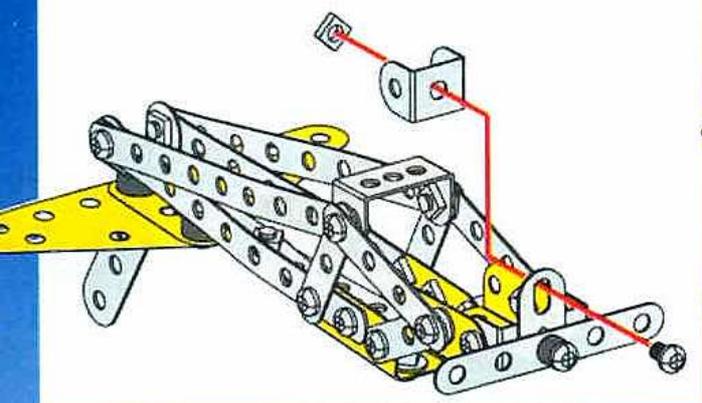


17 16+

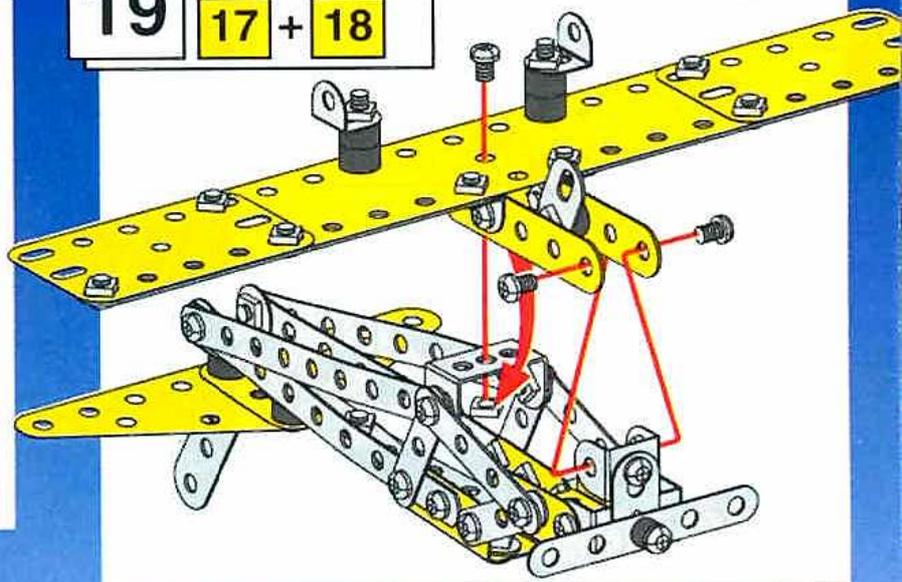
- x 1
- x 1



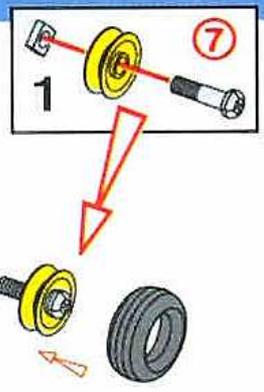
18 11 +  x 1



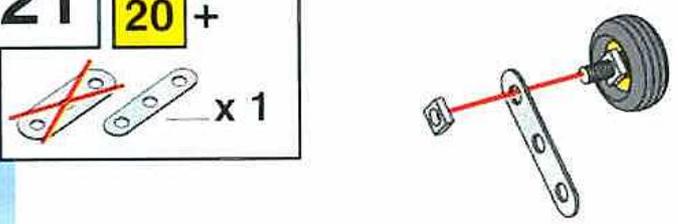
19 17 + 18



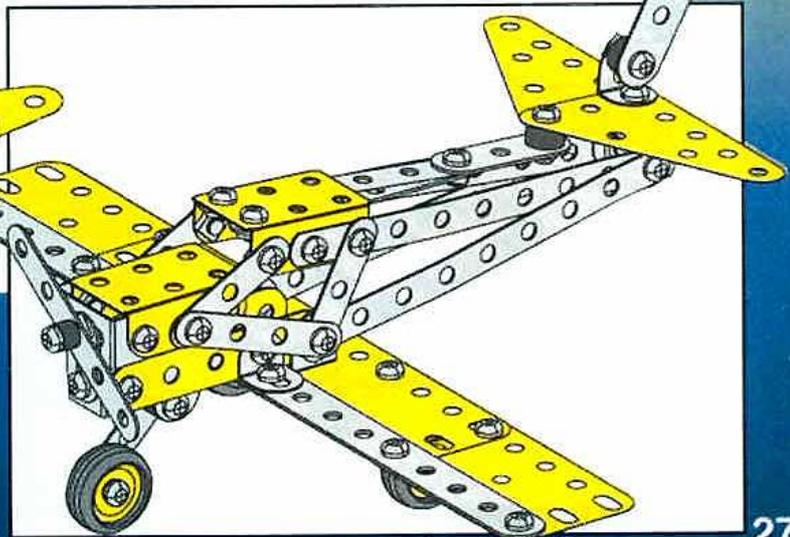
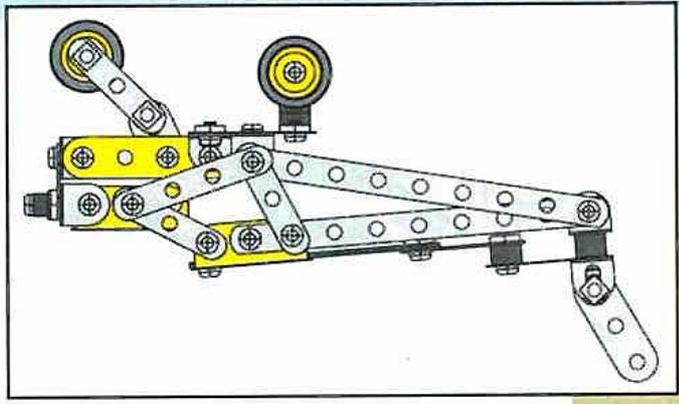
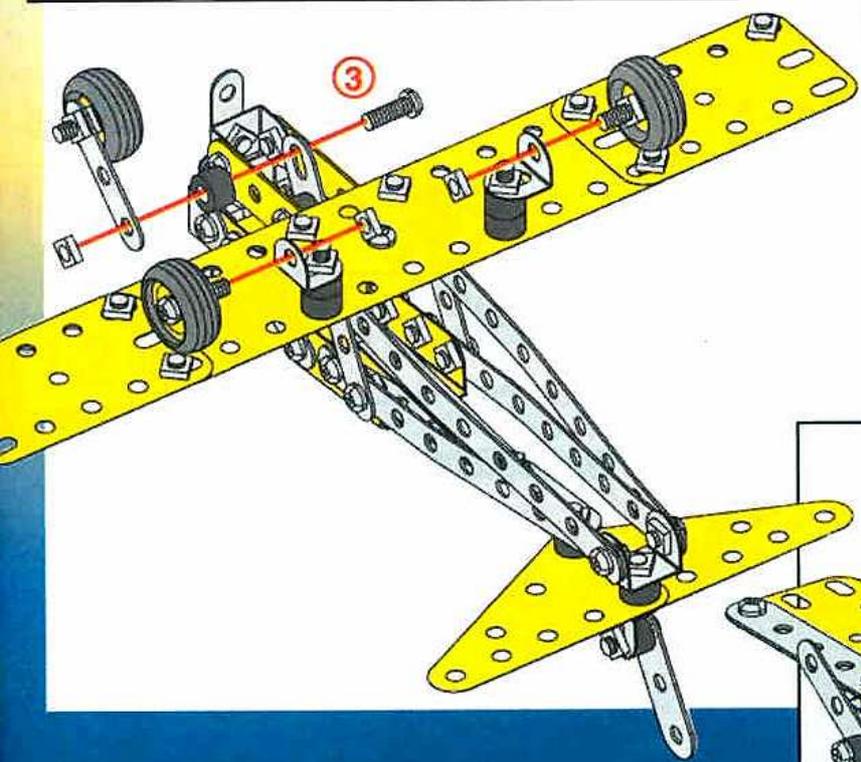
20  x 3
 x 3
 7 | 14,7 mm | x 3

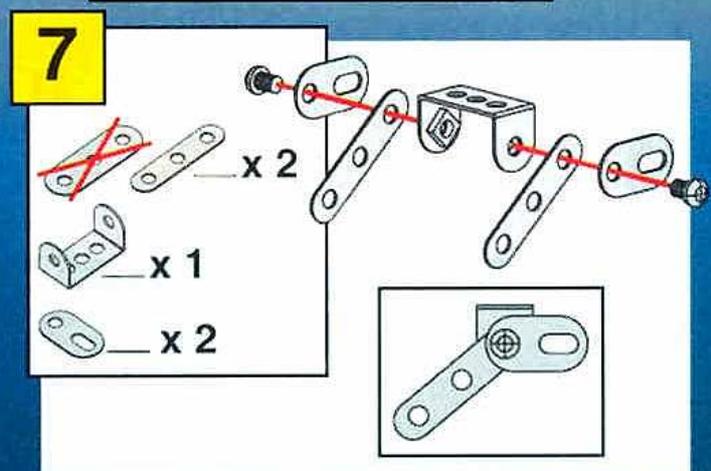
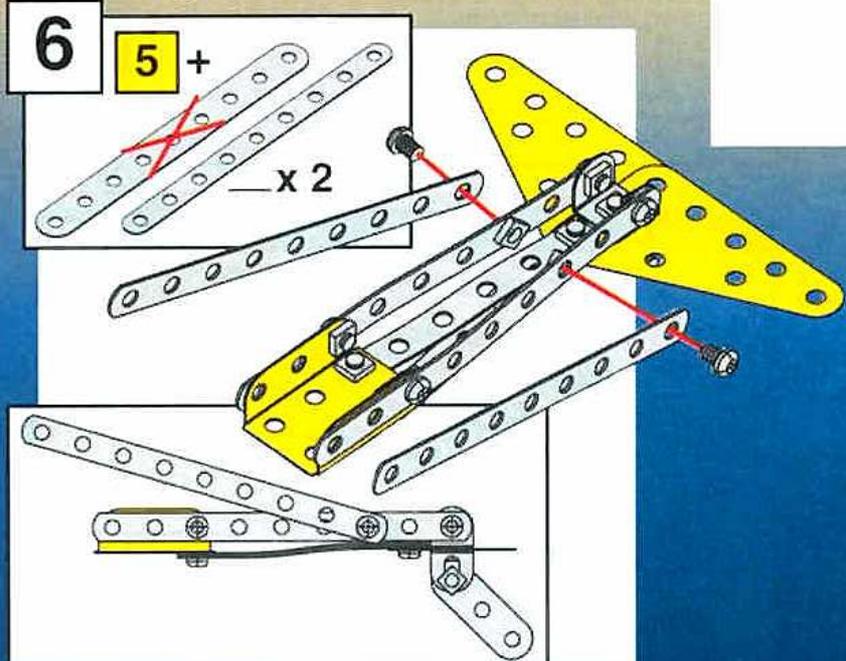
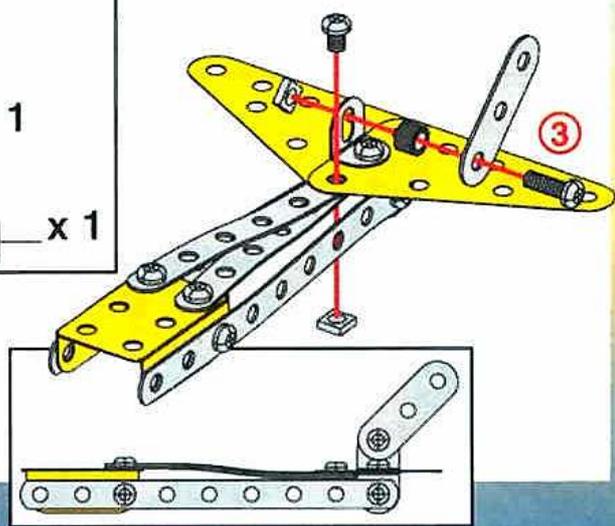
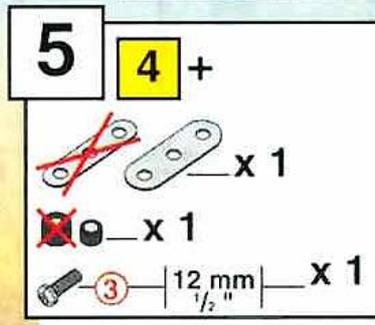
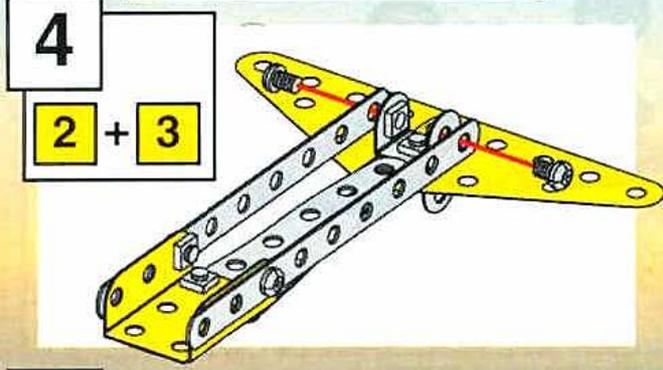
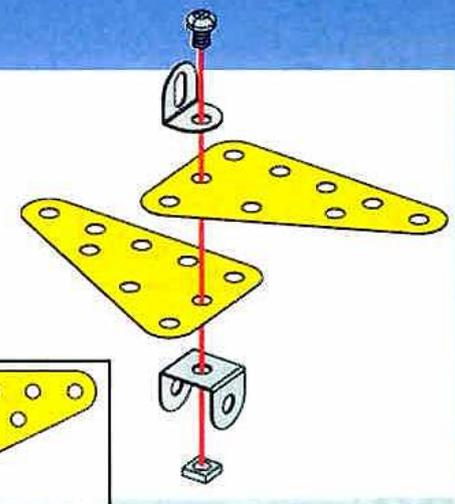
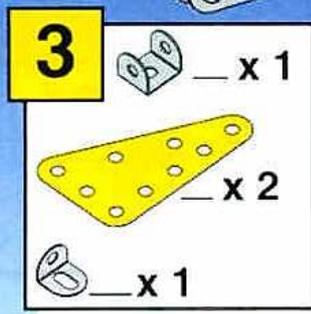
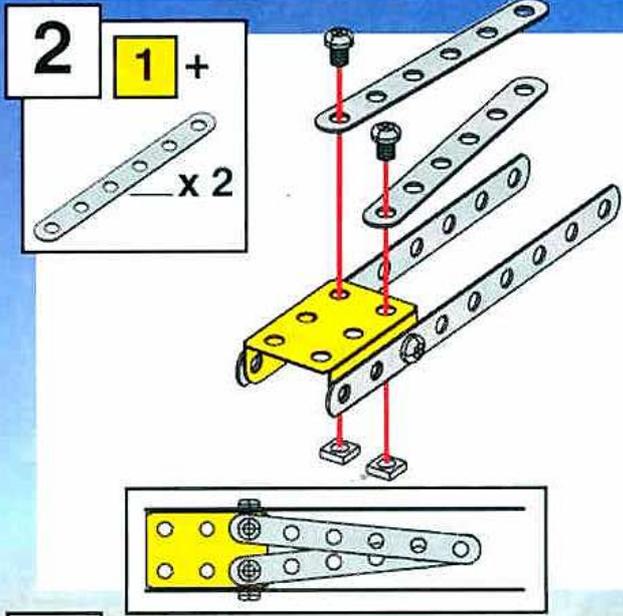
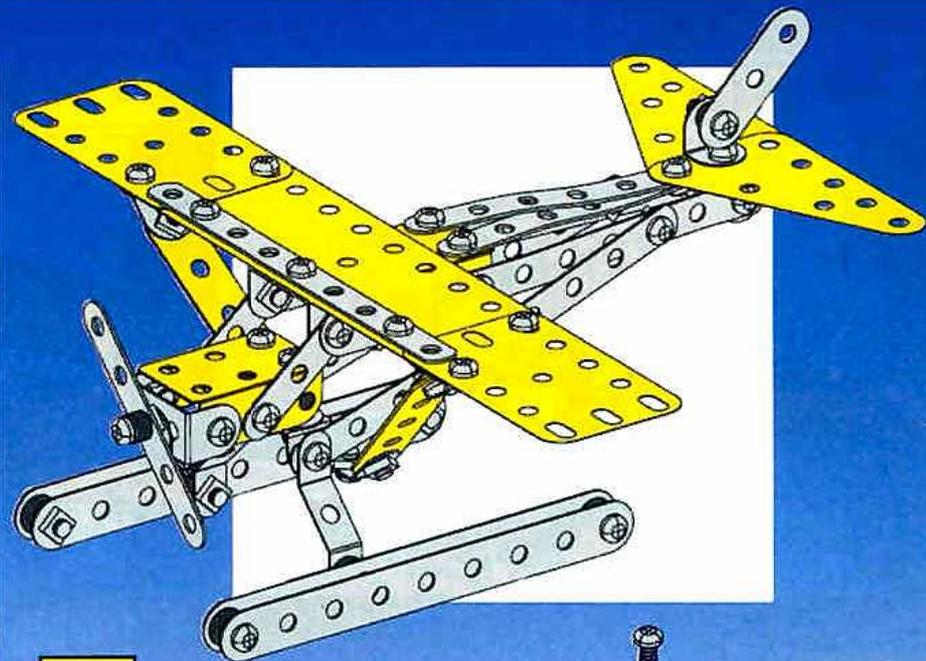
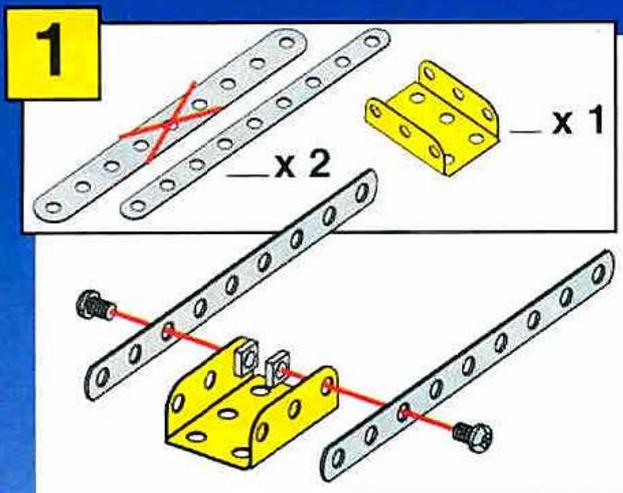


21 20 +  x 1

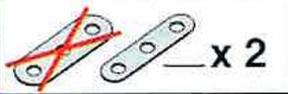


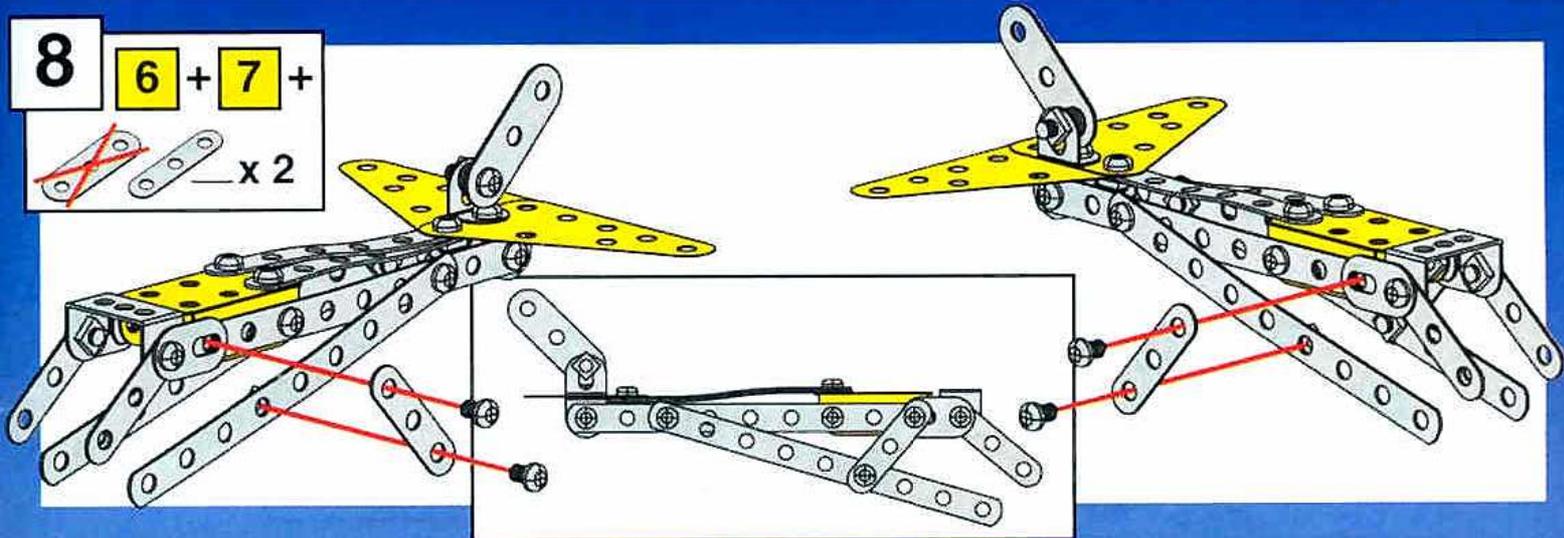
22 20 + 21 +  x 1
 3 | 12 mm | x 1



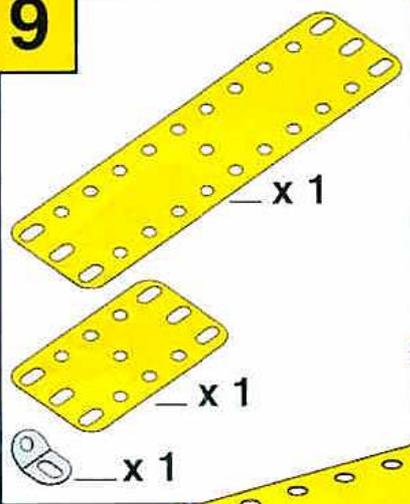


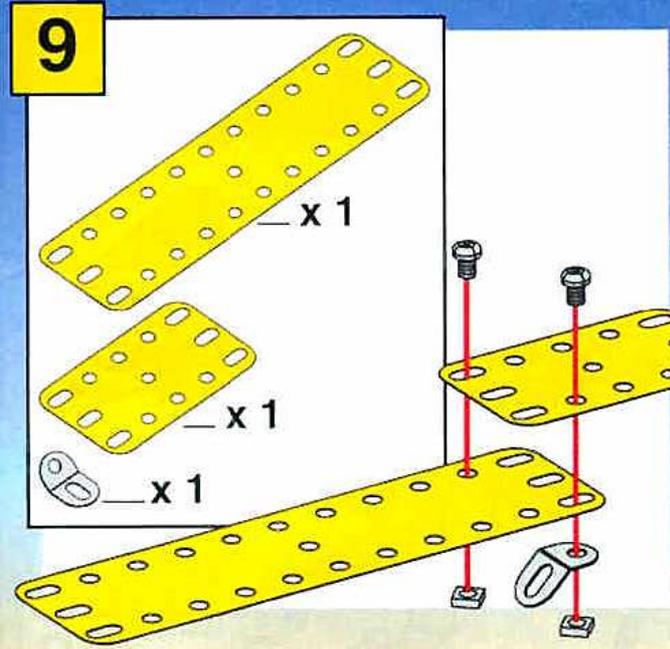
8 **6** + **7** +

 -x 2

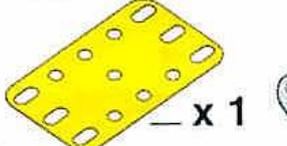


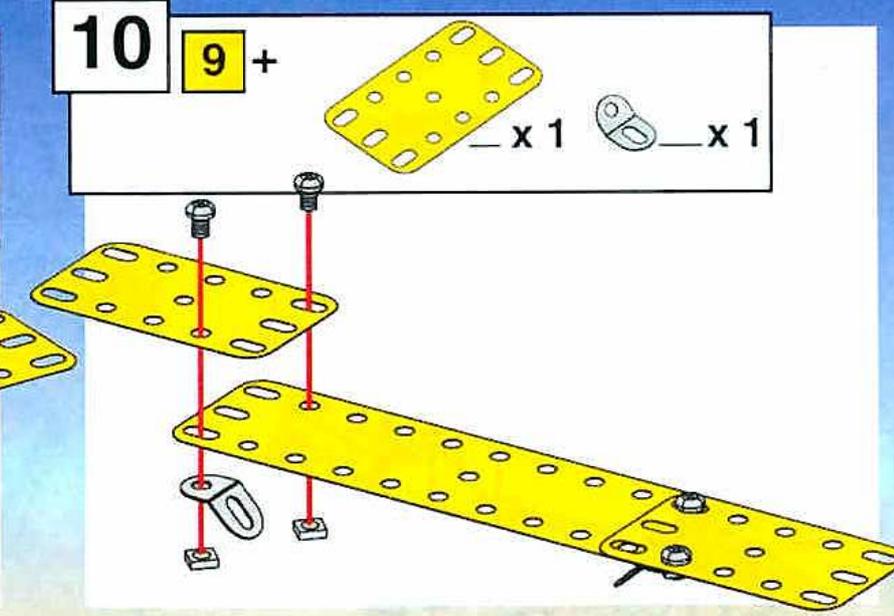
9

 -x 1
-x 1
-x 1

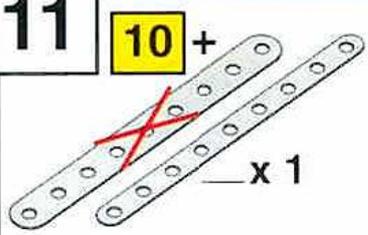


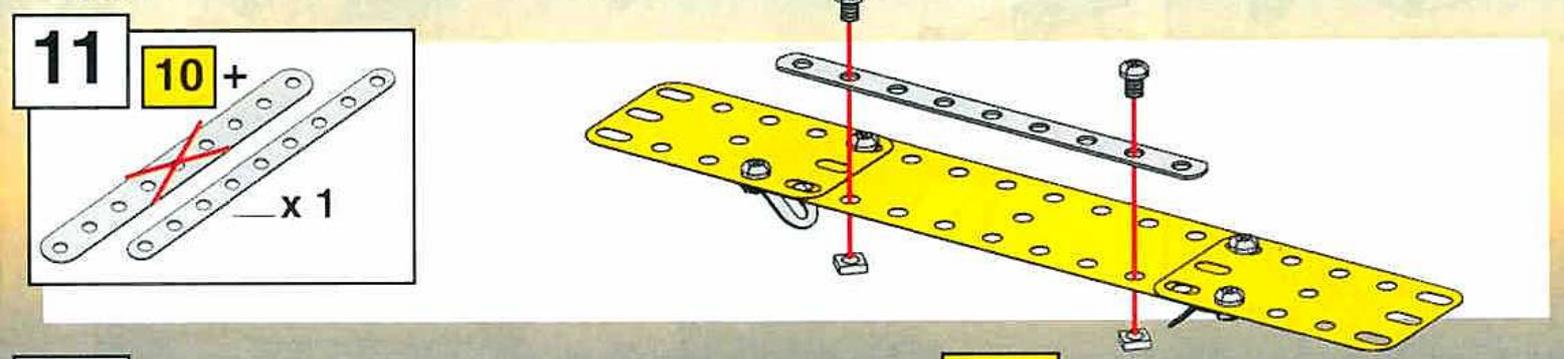
10

9 +  -x 1  -x 1



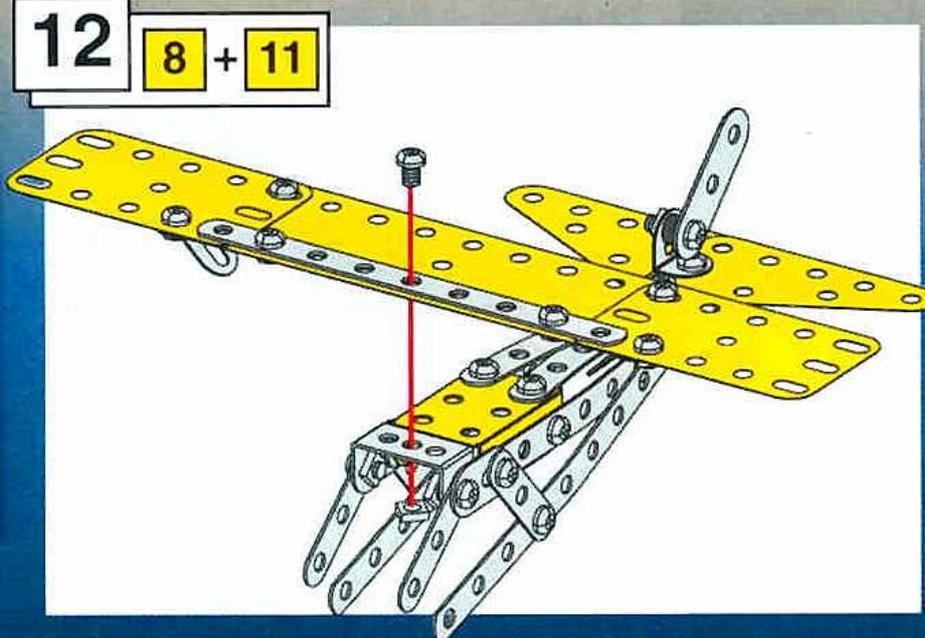
11

10 +  -x 1

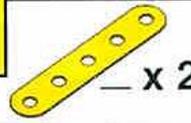
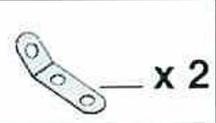


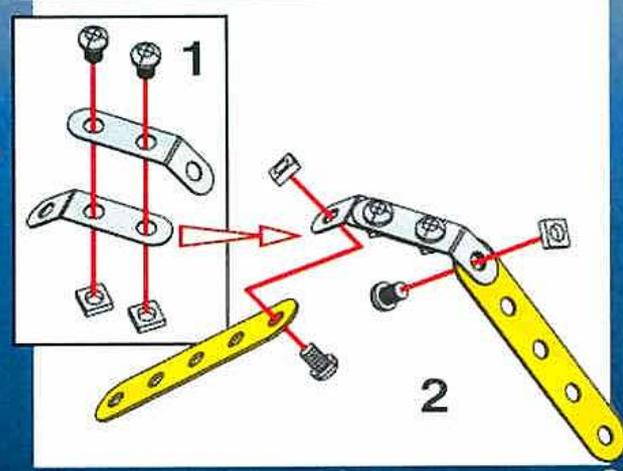
12

8 + **11**

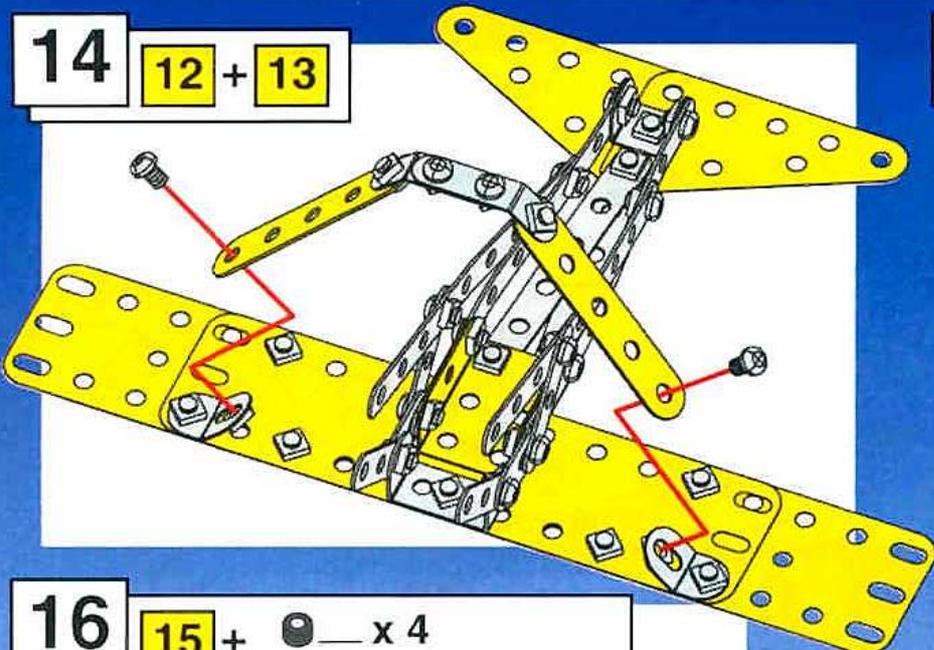


13

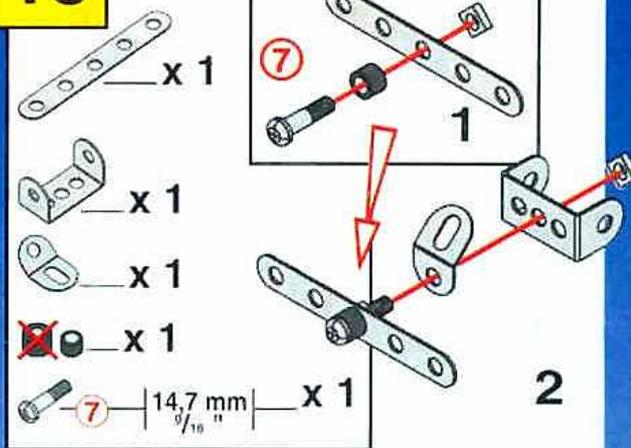
 -x 2  -x 2



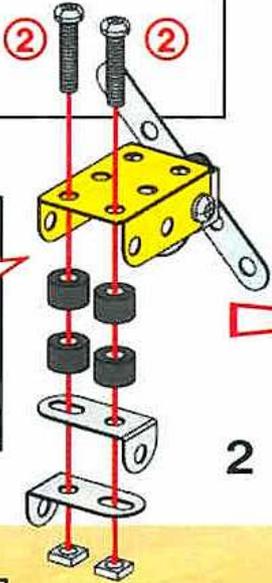
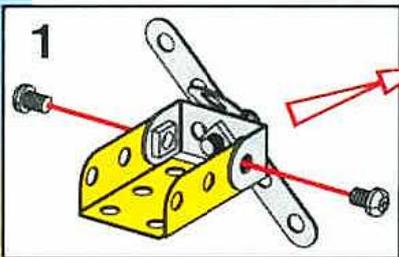
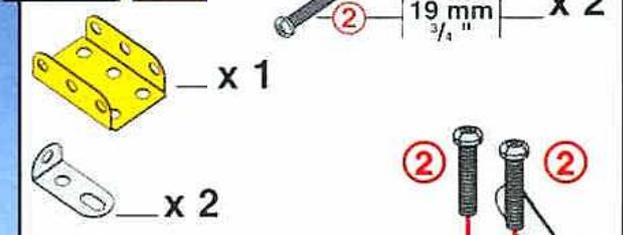
14 12 + 13



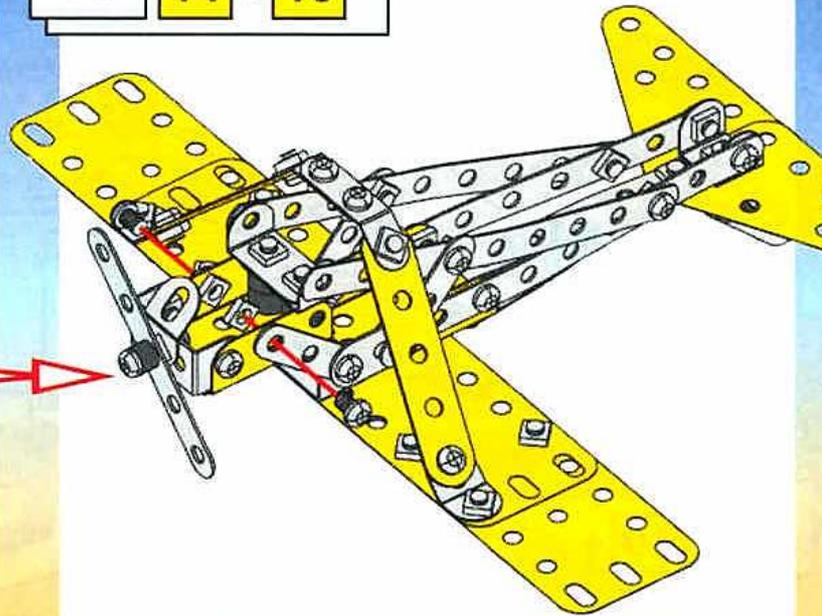
15



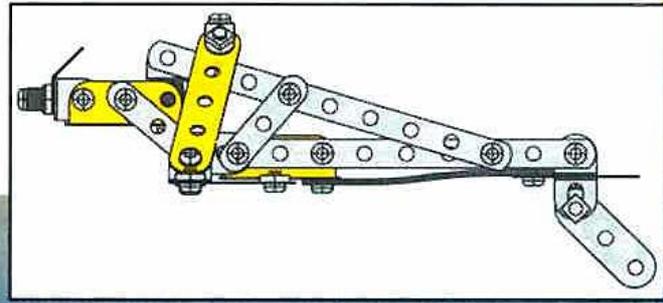
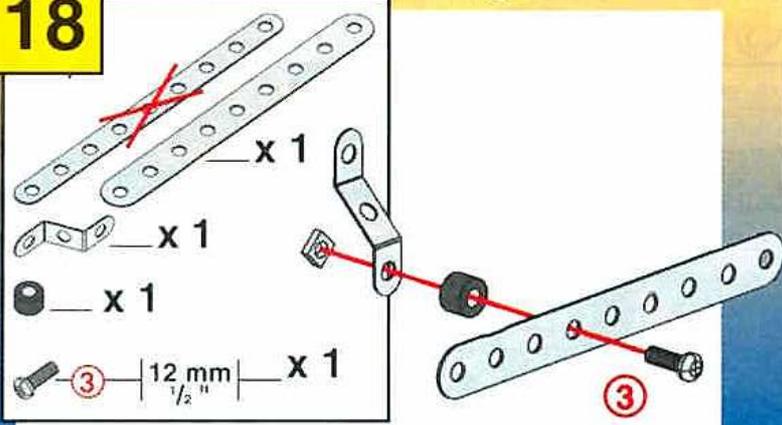
16 15 + ● x 4



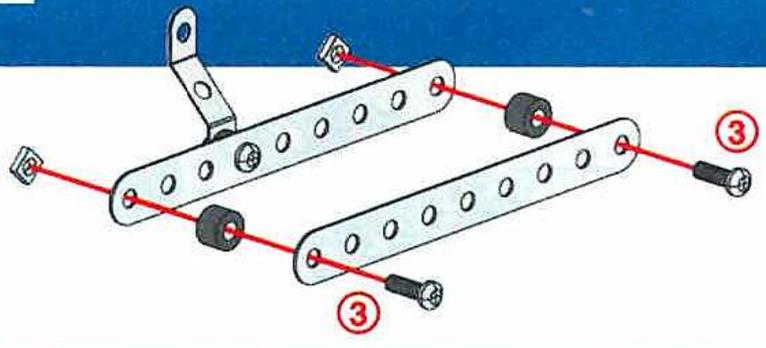
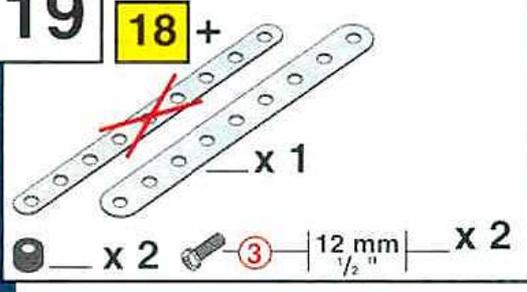
17 14 + 16



18

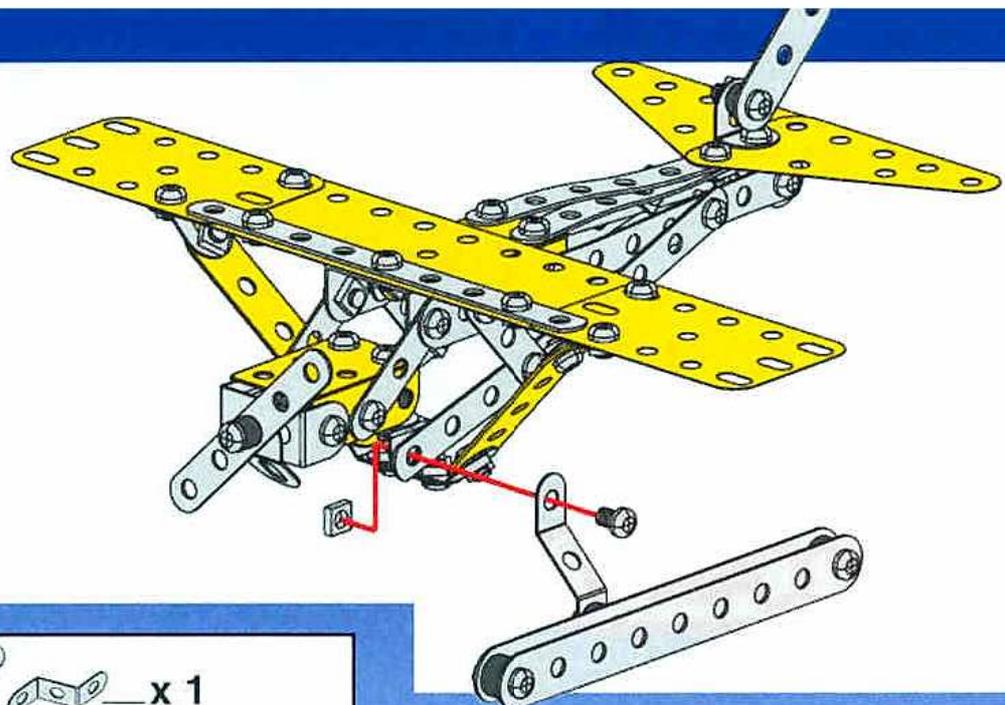


19 18 +



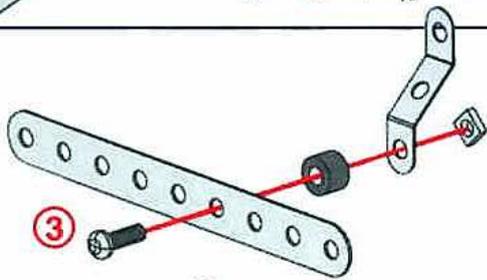
20

17 + 19



21

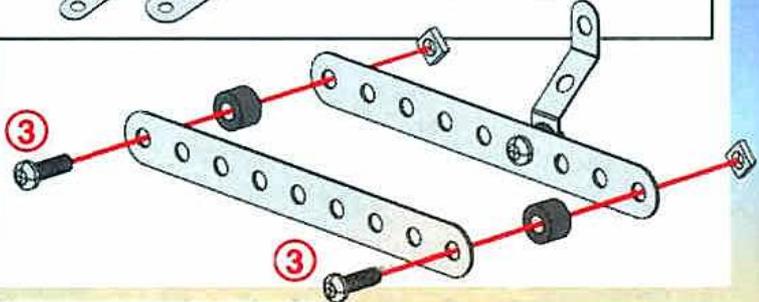
- ~~17~~ x 1
- ~~19~~ x 1
- x 1
- x 1
- | 12 mm | $\frac{1}{2}$ " x 1



22

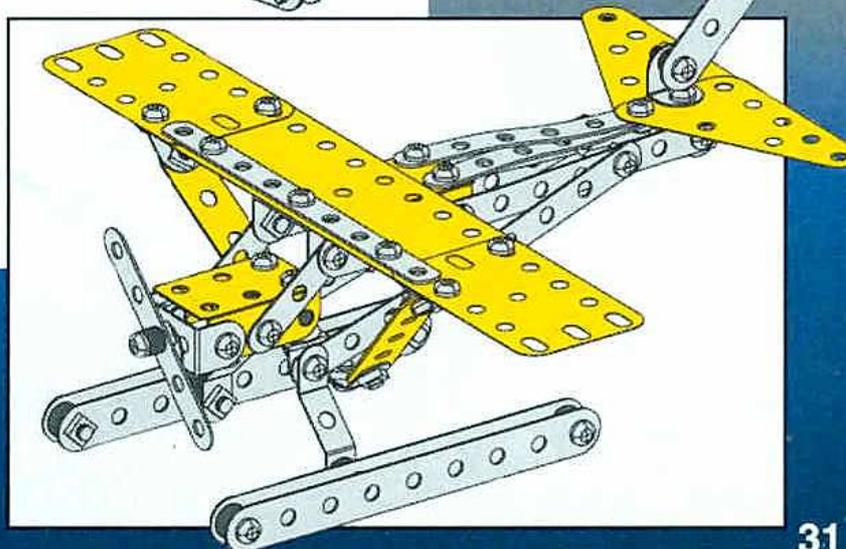
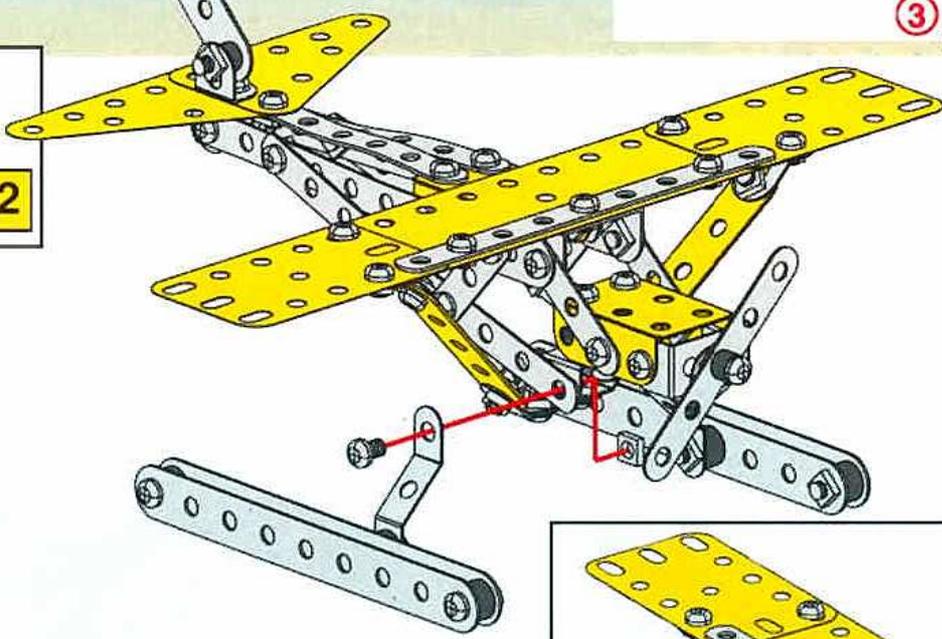
21 +

- ~~17~~ x 1
- ~~19~~ x 1
- x 2
- | 12 mm | $\frac{1}{2}$ " x 2



23

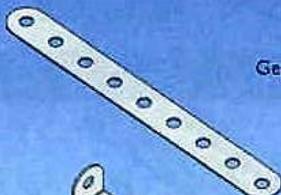
20 + 22



- (GB)** GLOSSARY
- (F)** LEXIQUE
- (D)** TEILE-LISTE
- (I)** LESSICO
- (S)** DETALJBESKRIVNING
- (SF)** SANAKIRJA
- (DK)** ORDLISTE
- (E)** NOMENCLATURAS
- (NL)** ONDERDELENLIJST
- (P)** GLOSSÁRIO
- (GR)** ΓΛΩΣΣΑΡΙ
- (JPN)** 用語集

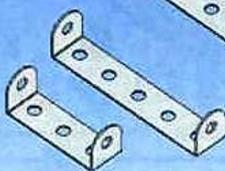


Perforated strip ± 9 holes
Bande ± 9 trous
Lochband
Banda ± 9 buchi
Längbalk ± 9 hål
Reijicetty lista



Element ± 9 huller
Varilla ± 9 agojeros
Geperforeerde strook ± 9 gaten
Peça perfurada ± 9 furos
Διότρητο μακρόστενο
στοιχείο ± 9 τρύπες
穴あき (±) プレート

Double angle strips
Bandes coudées
Winckel-Lochband
Banda a gomito
Dubbel vinklad balk
Kaksoiskulma lista



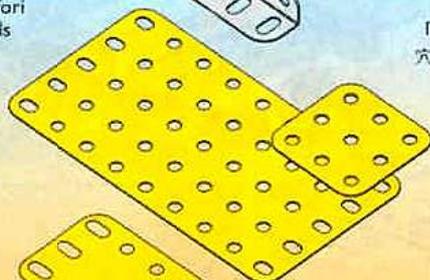
Vinkelement
Varillas dobladas con codos
Dubbele hoekstroken
Peças de cantos duplos
Διότρητο μακρόστενο
στοιχείο με δύο γωνίες
凹形穴あきプレート

Angle girders ± 4 holes
Cornière ± 4 trous
Winkeleisen
Profilato a L ± 4 fori
Vinkelbalk ± 4 hål
Kulmarauta



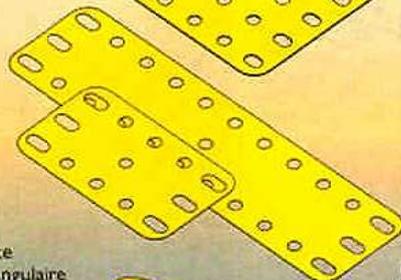
Hjørneelement ± 4 huller
Canto ± 4 agujeros
Hoekbalkje ± 4 gaten
Canto ± 4 furos
Γωνία με ± 4 τρύπες
穴あき (±4) ングル

Flat plates
Plaques rigides
Feste Platten
Piastra rigida
Hälplatta, plåt
Jäykkä levyjä



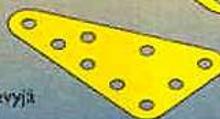
Faste plader
Placas rígidas
Vlakke platen
Placas rígidas
Ακαμπτές πλάκες
プレート (硬い)

Flexible plates
Plaques flexibles
Flexible Platten
Piastra flessibile
Böjlig platta
Joustavia levyjä



Bøjelige plader
Placas flexibles
Flexibele platen
Placas flexíveis
Ευκαμπτές πλάκες
プレート (柔らかい)

Triang. flexible plate
Plaque flexible triangulaire
Flexible dreieck.Platten
Piastra flessibile triangolare
Böjlig triangelplatta
Kolmion muotoisia joustavia levyjä



Trokantet, bøjelig plade
Placa flexible y triangular
Flexibele driehoekige plaat
Placa flexível triangular
Ευκαμπτή τριγωνική πλάκα
三角プレート (柔らかい)

Flanged sector plate
Plaque à rebords
Winckelplatten
Piastra con bordi
Vinkelplatta
Kulmalevy



Kantplade
Placa con rebordes
Flensplaat
Placa con rebordes
Πλάκα με αναστήσιμα άκρα
縁付きプレート

Fishplate
Support plat
Flachstütze
Supporto piatto
Stodjárn
Litos tukijusto



Fladstøtte
Soporte plano
Steinstütz
Supporto piano
Επίπεδο στοιχείο στήριξης
サポート板

Angle brackets 90° (135°)
Equerres 90° (135°)
90° (135°) Winkelbussen
Squadra 90° (135°)
Vinkeljärn, 90°
Kulmarautoja 90° (135°)



Vinkelbeslag på 90 grader (135 grader)
Angulos 90° (135°)
Hoeksteunen 90° (135°)
Angulos 90° (135°)
Γωνίες 90° (135°)
コーナー・プレート 90度 (135度)

Double brackets
Supports doubles
Doppelsätze
Supporti doppi
Lagerstöd, dubbel
Kaksoistuet



Doppelstützer
Soportes de doble cara
Dubbele steunsteunen
Soportes de cantos duplos
Διπλά στοιχεία στήριξης
ダブルサポーター

Reversed angle bracket
Equerre renversée
Doppelwinkel
Squadra capovolta
Dubbelwinkel
Kaksoiskulma



Omvendt vinkel
Angulo doble
Omgekeerde hoeksteun
Duplo angulo
Αντιστροφή γωνία
裏返しコーナー・プレート

Corner bracket
Petit gousset d'assemblage
Kleiner eckwinkel
Piccolo raccordo d'assemblaggio
Hörnförstärkning
Kulmatuki



Hjørneestiver
Vaina para ensamblar
Driehoeksteun
Triângulo de união
Αγκωνας σύνδεσης
小カセットプレート

Axle rod
Tringle
Stange
Barra
Axel
Akseli/tanko



Sjang
Varilla
As
Barra
Mitäpä
トライアングル

Pulleys
Poulies
Rollen
Pulegge
Remskiva
Hihnapyörriä



Remskive
Poleas
Riemschijven
Roldenas
Τροχαλία
動輪

Set collar
Bague d'arrêt
Haltering
Anello di sicurezza
I stoppring
Turvaprikka



Stopring
Anilla de parada
Kraag met stelschroef
Anilha de travamento
Περίλαϊμο
止めリング

Washers
Rondelles
Lochscheiben
Rondelle
Brickor
Prikoja



Flade ringe
Arandelas
Onderlegingen
Anilhas
Ροδέλες
座金

Spacer
Entretoise
Steg
Briglia di collegamento
Distanshylsa
Väljholkki
ierrepultti



Mellemstykke
Codal
Dwarssstukken
Españador
Συνοχέας
セパレーター

Stud bolt
Boulon pivot
Zapfenschraube
Bullone perno
Stödbult
Nuppilinen kierrepultti



Tapskruue
Pivote
Bout met kop
Parafuso pivót
Μπουλόνι
ピボット・ボルト

Grub screw
Vis (sans tête)
Flachschraube
Vite (senza testa)
Skruv
Ruuvi (ilman nuppia)



Scruve (hovedløs)
Tornillo (sin cabeza)
Verzonken schroef
Parafuso sem cabeça
Βίδα χωρίς κεφαλή
(無頭) ねじ

Square nut
Ecrin carré
Vierkantmutter
Dado quadrado
Fyrkantmutter
Mutteri



Firkantet møtrik
Tuerca cuadrada
Vierkante moer
Porca quadrada
Τετράγωνο παξιμάδι
角形ナット

Open ended spanner
Clé pour écrou
Schraubenschlüssel
Chiave per dado
Mutternyckel
Kirstysävan



Matriknogel
Llave para tuercas
Sleutel voor moer
Chave de porcas
Καυδί για παξιμάδι
匙子

Allen keys
Clé 6 pans
Sechskanterschlüssel
Chiave per dado esagonali
Seckantnyckel
Kruispaan



Seckantet nøgle
Llave para tornillos de 6 caras
Inbussteutel
Chiave esagonale
Εξώνυχια κλειδί
正六角ソケット