

MECCANO[®]

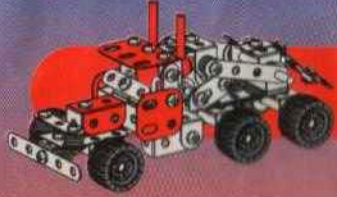
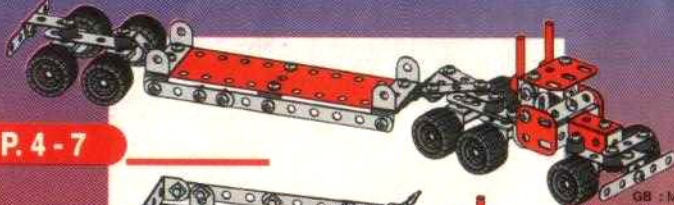


LEAFLET
ANLEITUNG
ISTRUZIONI
BROSCHYR
OHJEET
VEJLEDNING

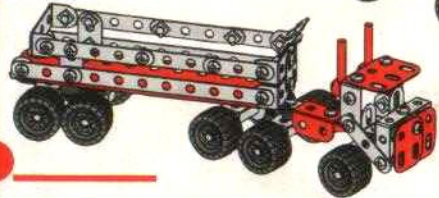
NOTICE
INSTRUCCIONES
BESCHRIJVINGEN
INSTRUCOES
ΟΔΗΓΙΕΣ
説明書

3910

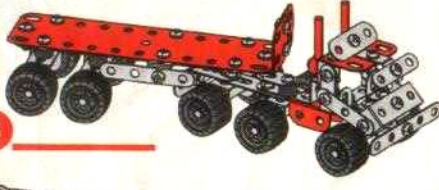
P. 4 - 7



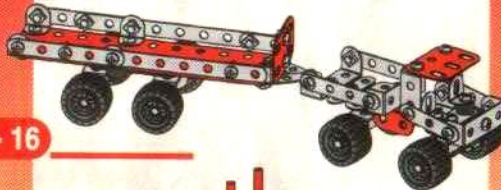
P. 8 - 10



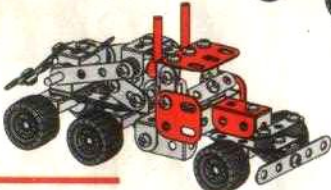
P. 11 - 13



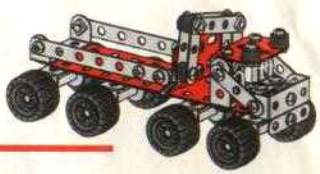
P. 14 - 16



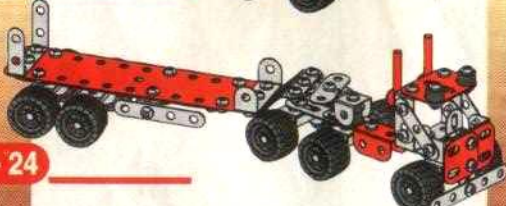
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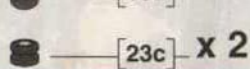
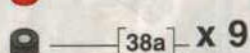
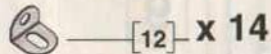
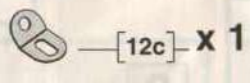
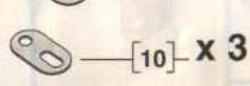
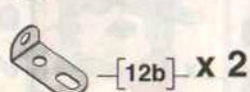
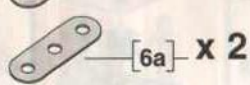
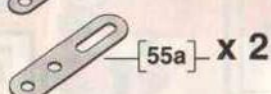
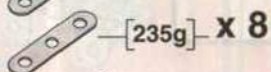
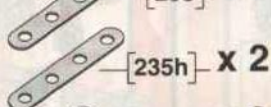
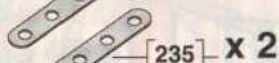
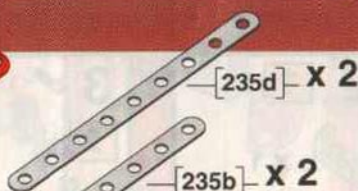
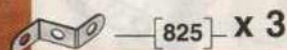
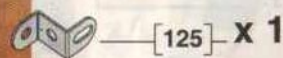
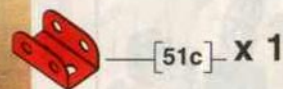
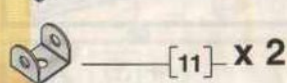
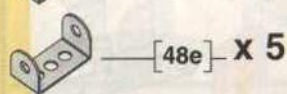
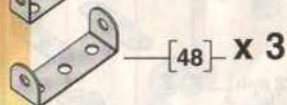
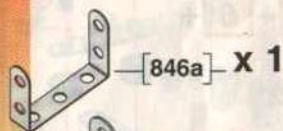
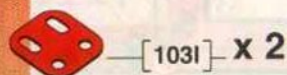
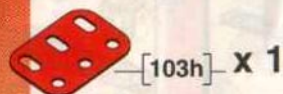
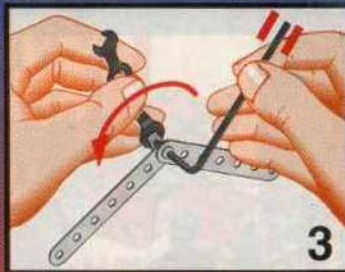
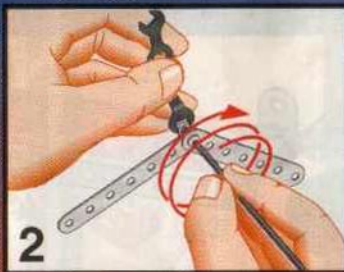
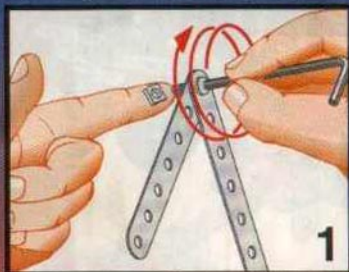
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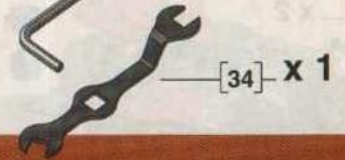
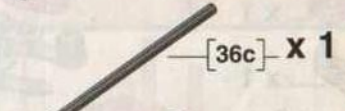
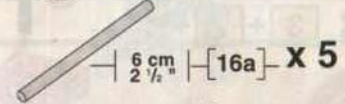
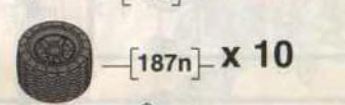
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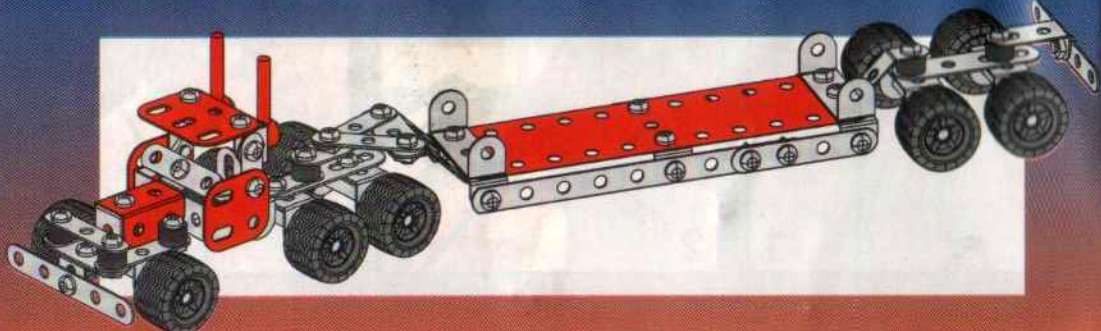
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- ① | 28 mm | 1 1/8" | [111d] X 0
- ② | 19 mm | 3/4" | [111] X 1
- ③ | 12 mm | 1/2" | [111a] X 6
- ④ | 9,5 mm | 3/8" | [111c] X 4

- [37b] X 36
- [37a] X 46





1

—x1

—x1

—x1

2 **1**+

—x1

3 —x1

2+

—x1

—x1

—x1

4

—x1

—x1

5 **4**+

—x1

—x1

6

—x1

—x1

—x1

—x1

7 **5** + **6** +

—x2

—x2

—x2

8 **3** + **7** +

—x1

—x1

—x2

—x1

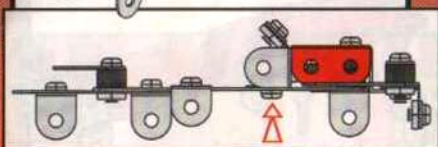
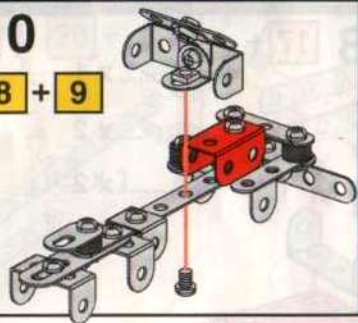
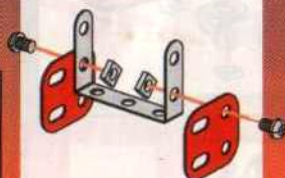
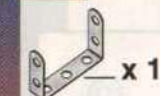
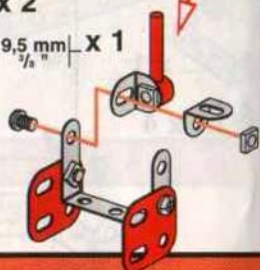
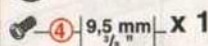
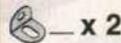
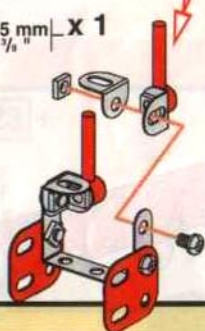
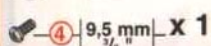
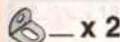
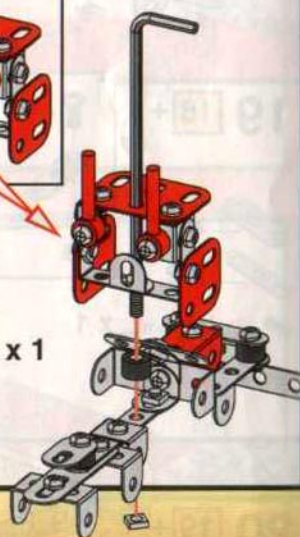
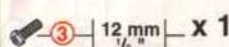
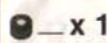
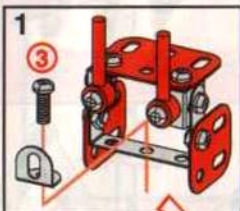
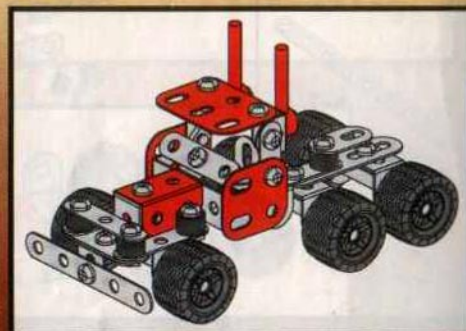
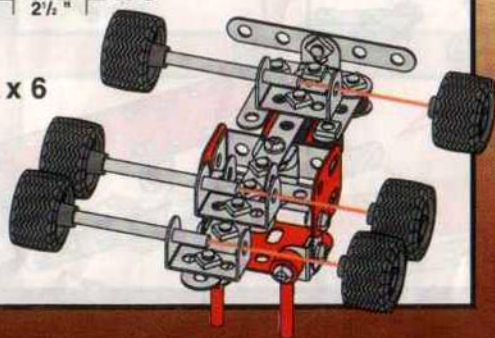
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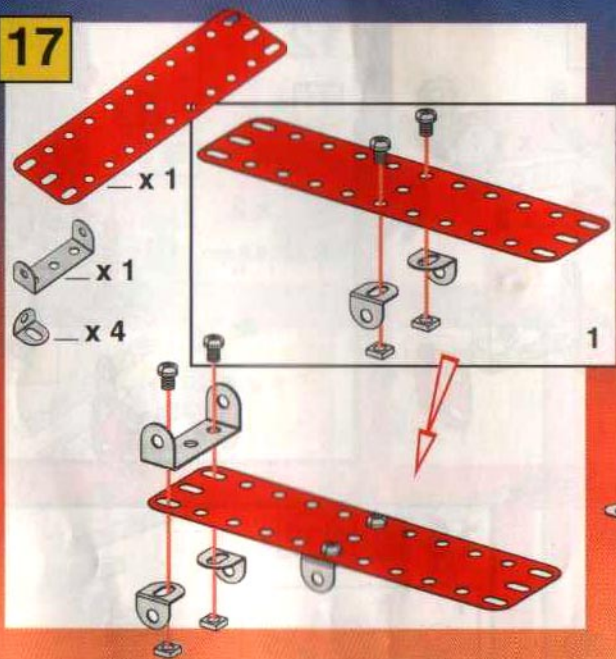
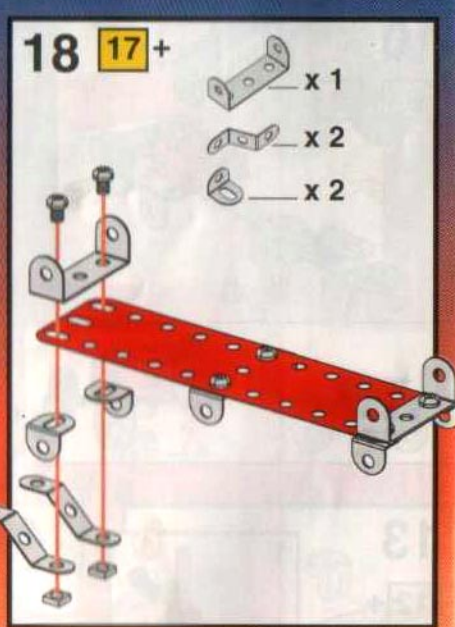
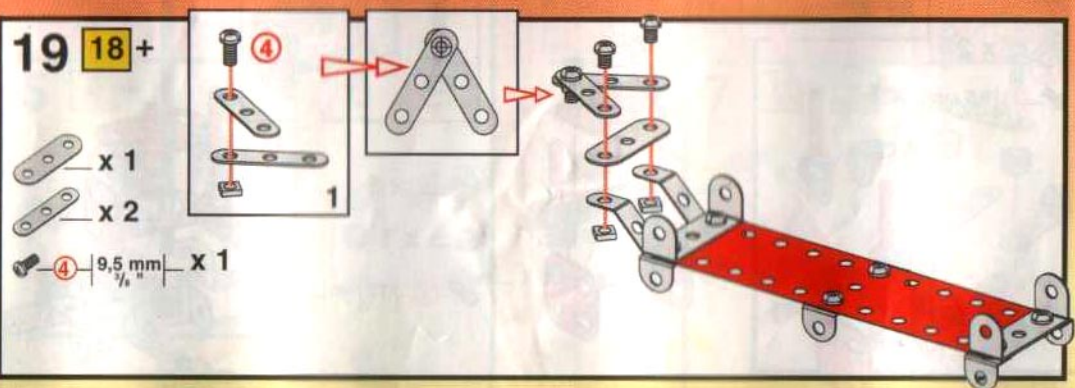
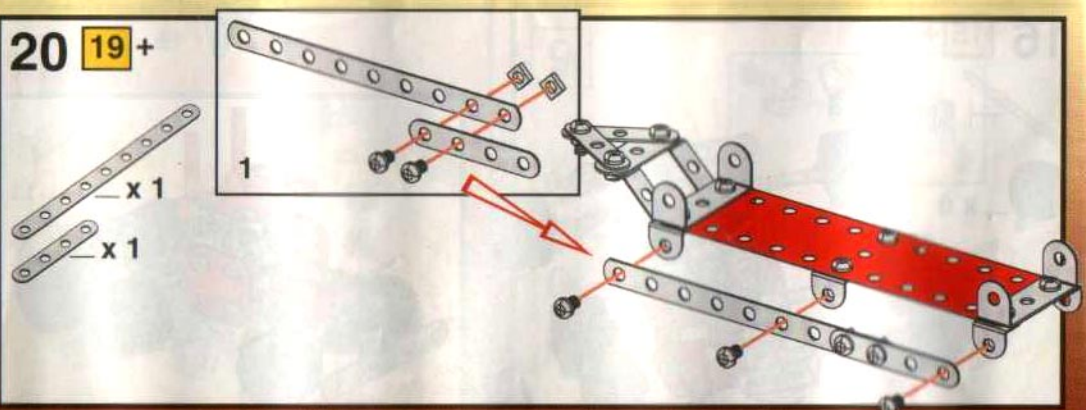
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—x1

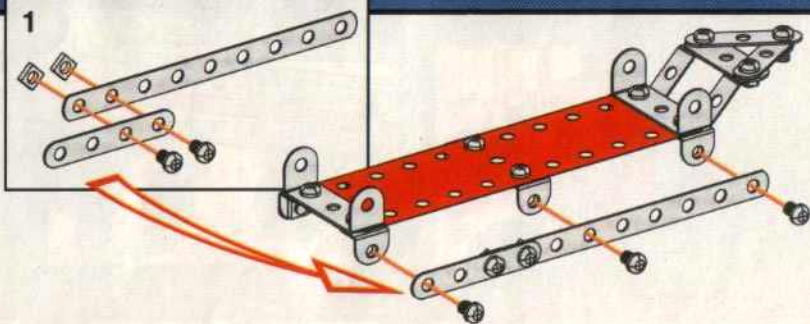
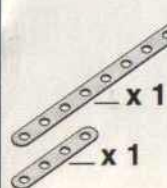
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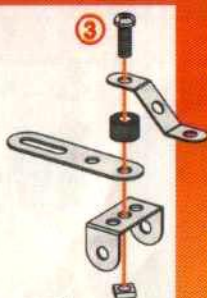
10**8 + 9****11****12****11 +****13****12 +****14****15** **10 + 14 +****16** **15 +**

17**18** **17+****19** **18+****20** **19+**

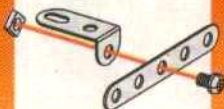
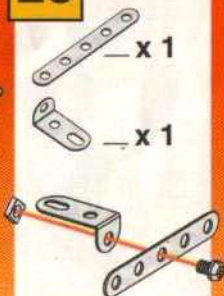
21 20+



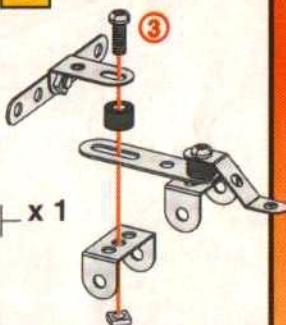
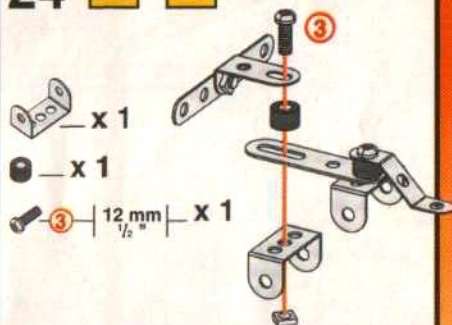
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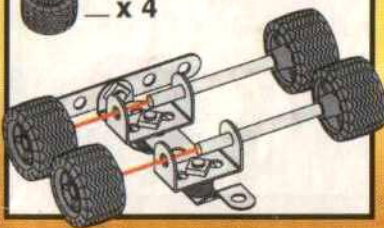
23



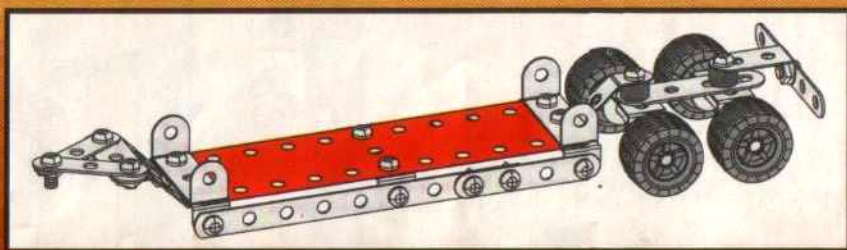
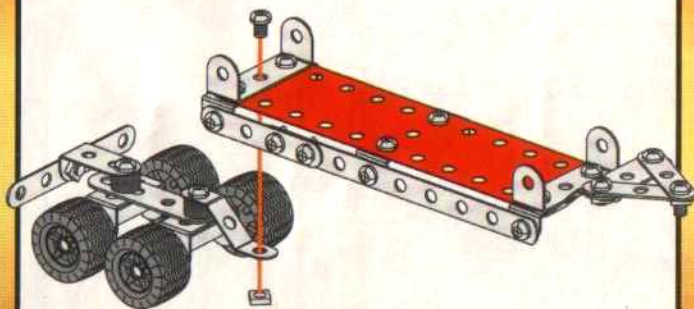
24 22 + 23 +

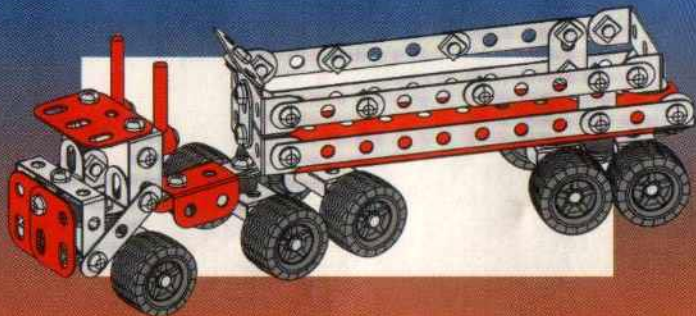


25 23 +



26 21 + 25





1

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

2 1 + 1 x 1

1 x 1 | 9,5 mm | 3/8" x 1
 1 x 1
 1 x 1
 1 x 1

3

1 x 1
 1 x 2
 1 x 1
 1 x 1 | 9,5 mm | 3/8" x 1

4

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

5 4 +

1 x 1

6 5 +

1 x 1
 1 x 1
 1 x 1 | 9,5 mm | 3/8" x 1

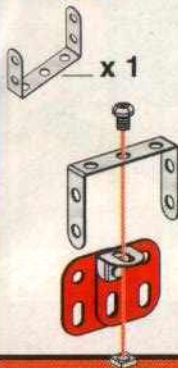
7 6 +

1 x 1
 1 x 1
 1 x 1 | 9,5 mm | 3/8" x 1

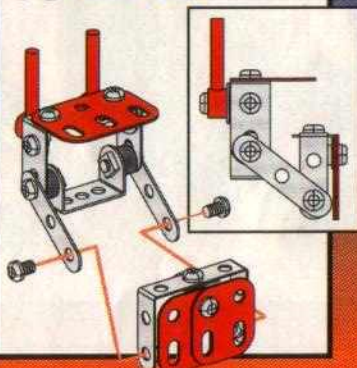
8

1 x 2
 1 x 1

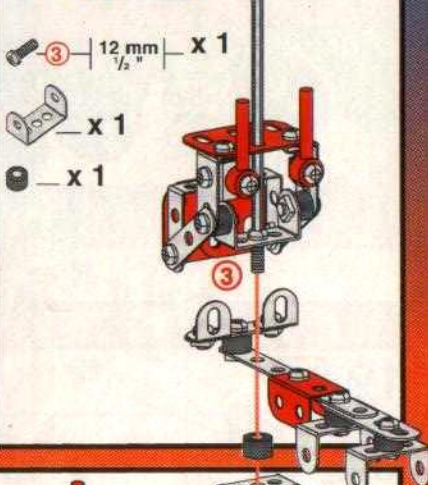
9 8+



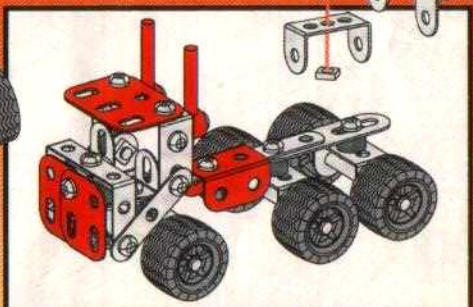
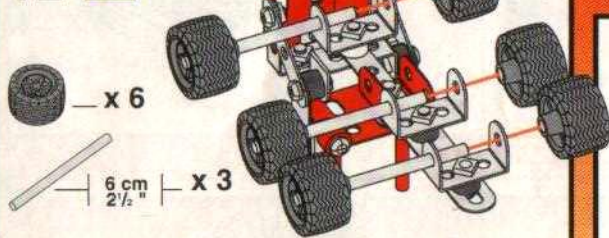
10 7+9



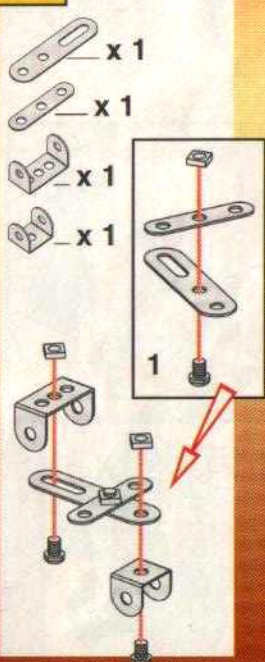
11 3+10+



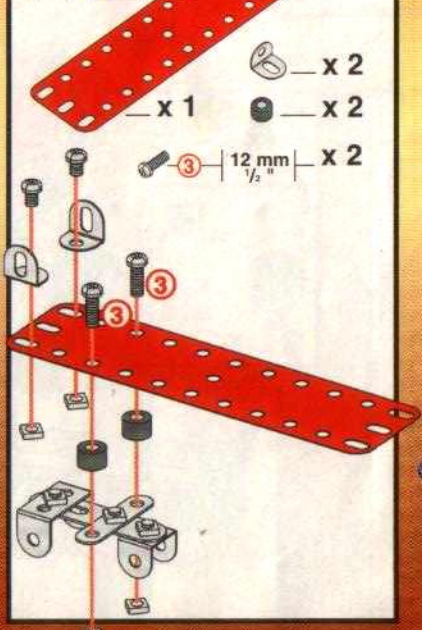
12 11+



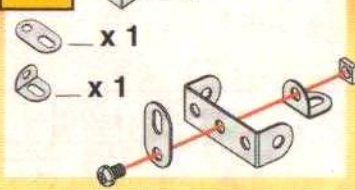
13



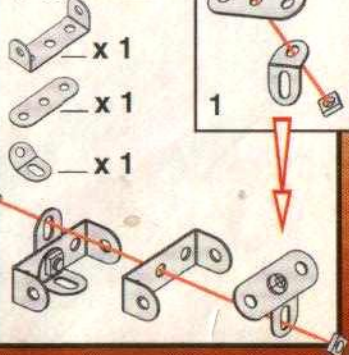
14 13+



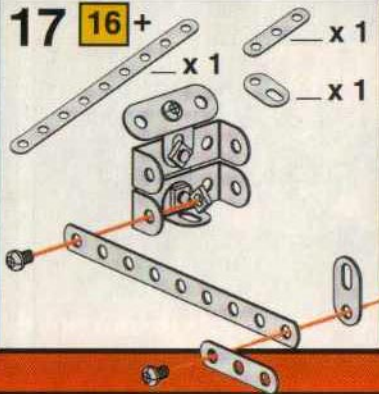
15



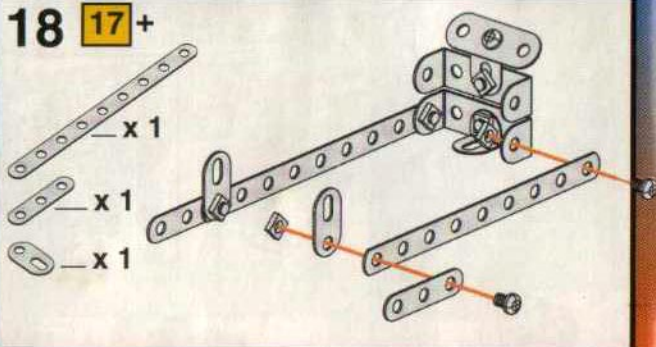
16 15+



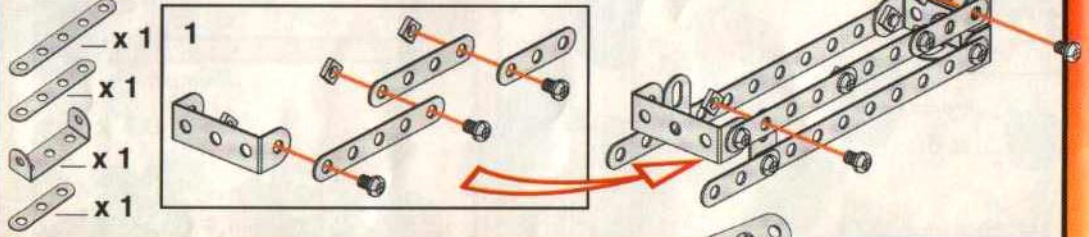
17 16+



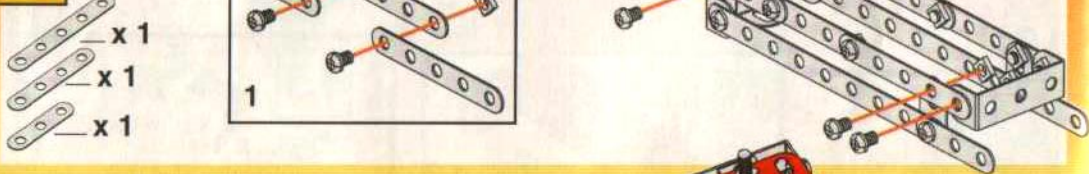
18 17+



19 18+

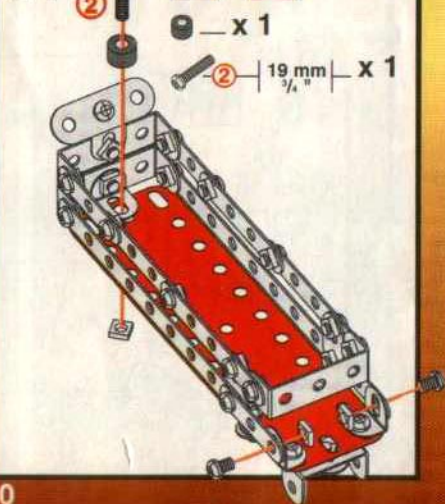


20

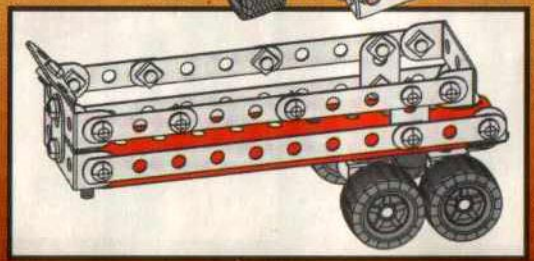
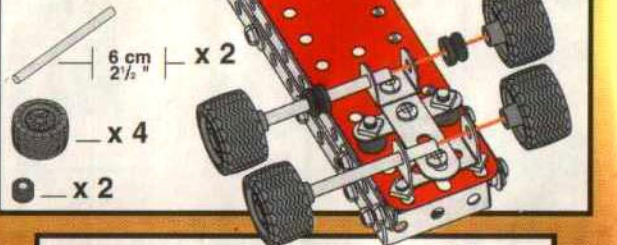


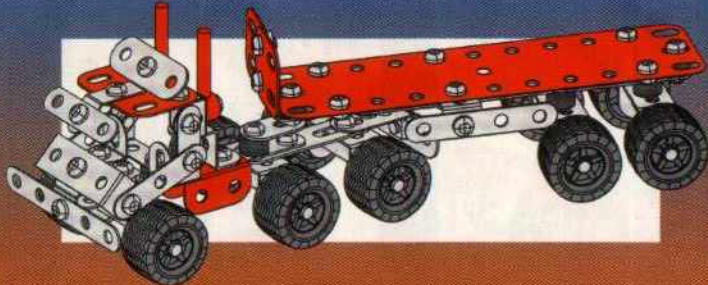
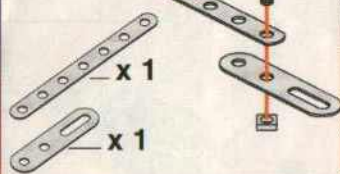
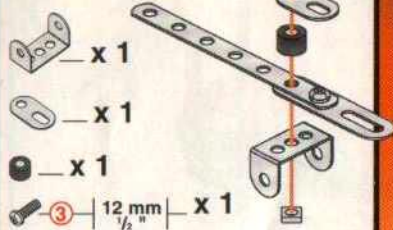
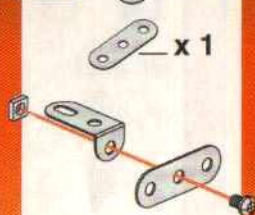
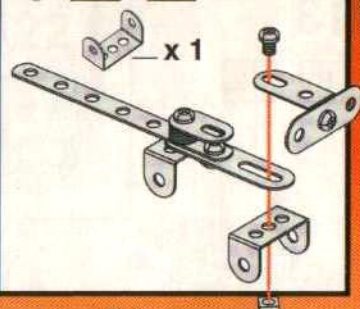
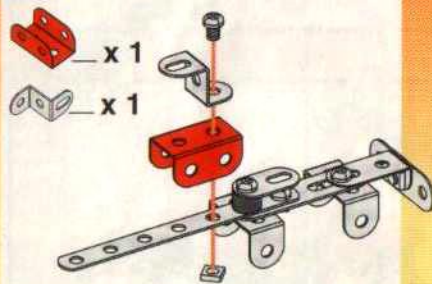
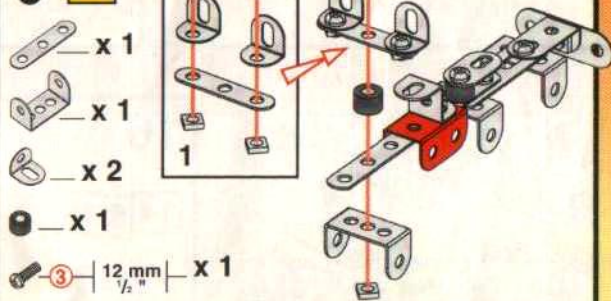
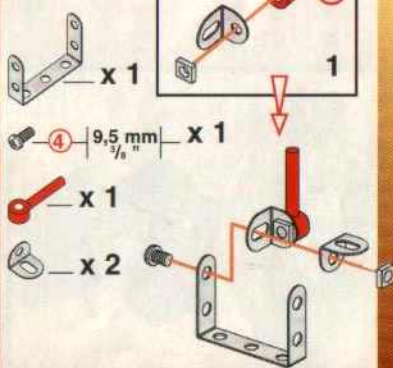
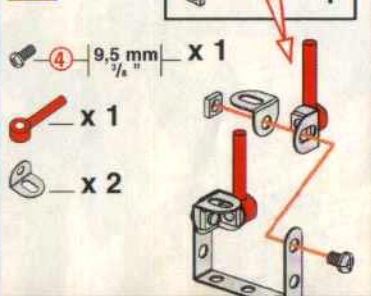
21

14 + 20+

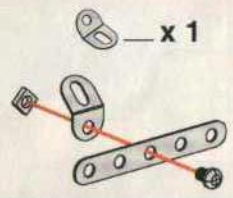


22 21+

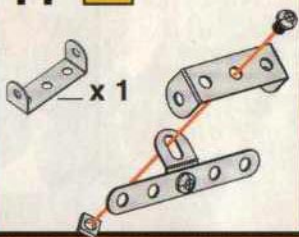


1**2****1** +**3****4****2** + **3** +**5****6****5** +**7****8****7** +**9**

10 —x 1

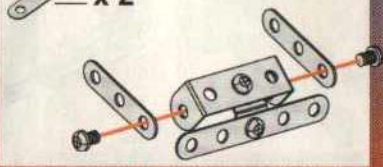


11 **10**+



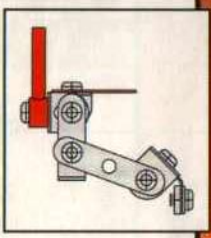
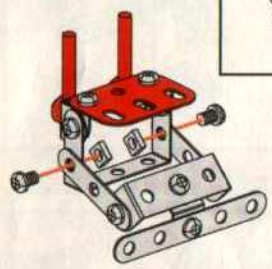
12

—x 2



13

9 + **12**

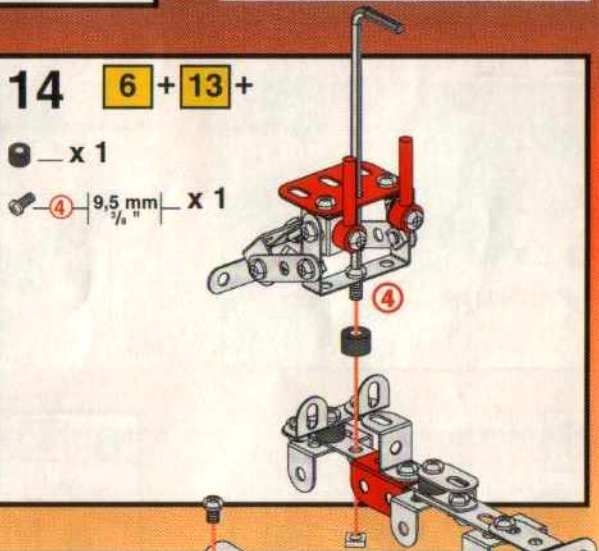


14

6 + **13**+

● —x 1

④ — 9,5 mm — x 1

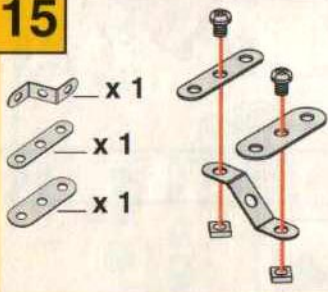


15

—x 1

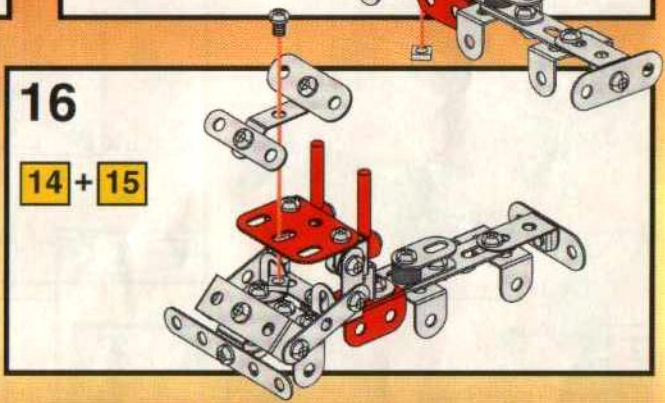
—x 1

—x 1



16

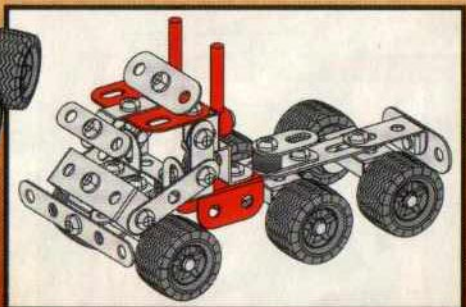
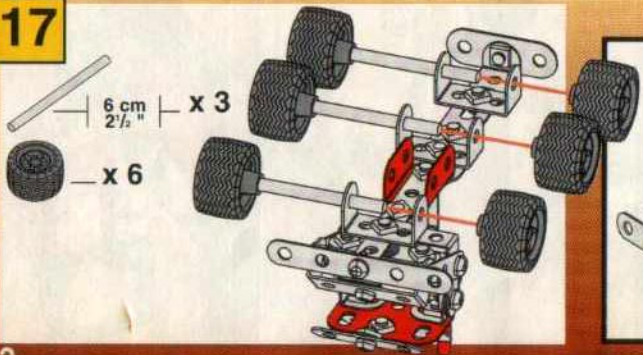
14 + **15**



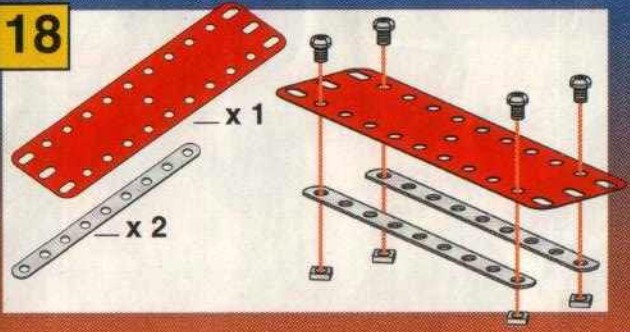
17

6 cm
2 1/2" —x 3

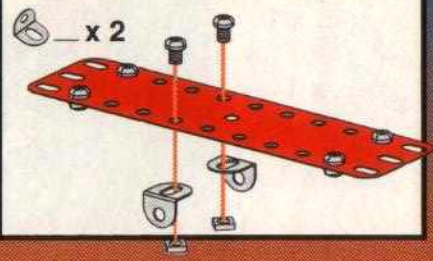
—x 6



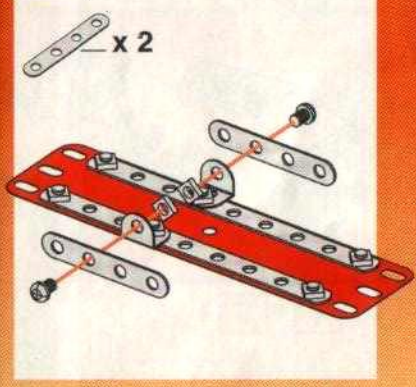
18



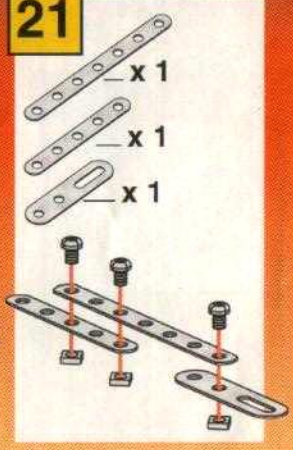
19 18+



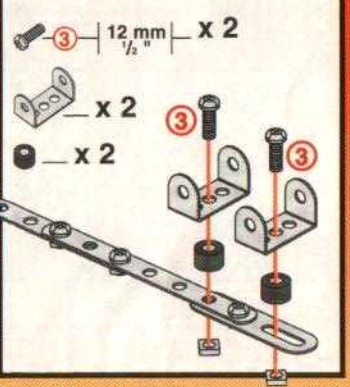
20



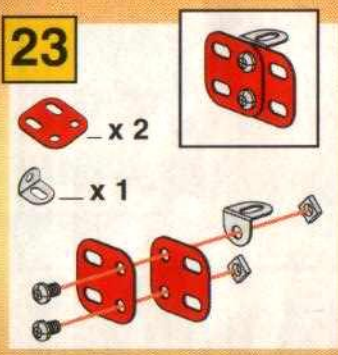
21



22 21+



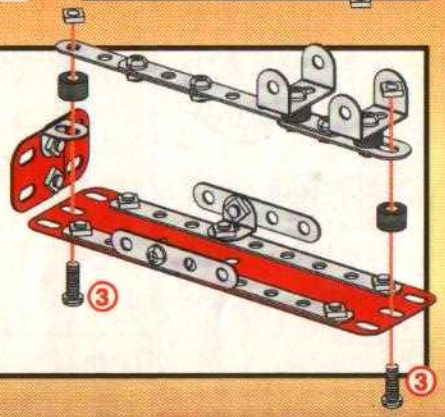
23



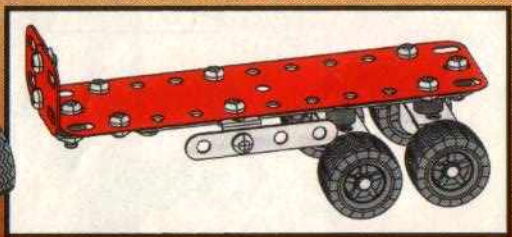
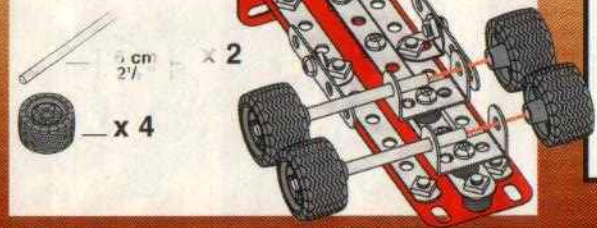
24

20 + 22 + 23 +

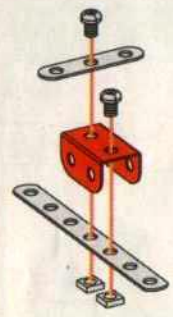
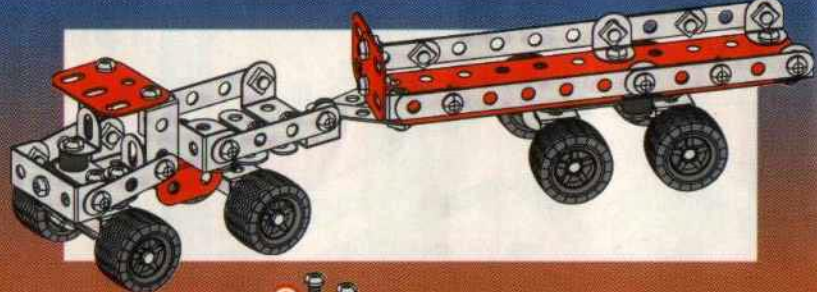
- x 2
③ | 12 mm | x 2



25



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



2 **1** +

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

3

- x 2
- x 2

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

- x 1

5

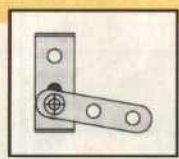
- ④ | 9,5 mm | 3/8" | x 2
- x 1
- x 2
- x 2

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

- ③ | 12 mm | 1/2" | x 1
- x 1
- x 1

7

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



8 **7** +

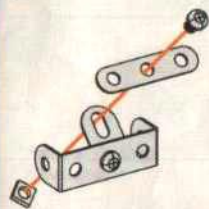
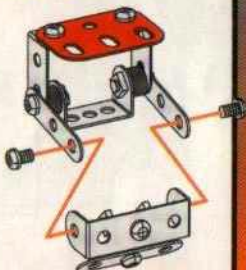
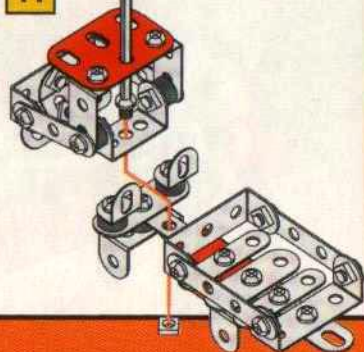
- x 1

9

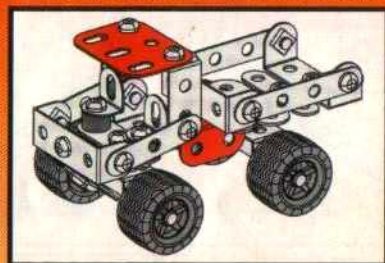
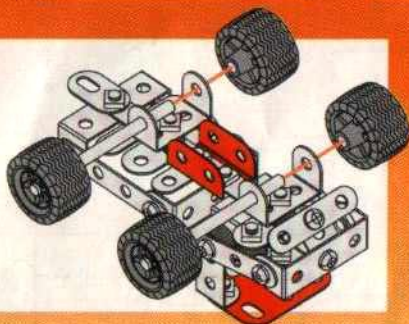
- x 1
- x 1

10**9 +**

x 1

**11****8 + 10****12****6 + 11****13**6 cm
2 1/2" x 2

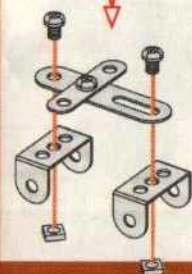
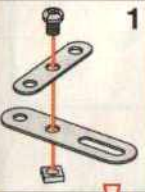
x 4

**14**

x 1

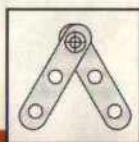
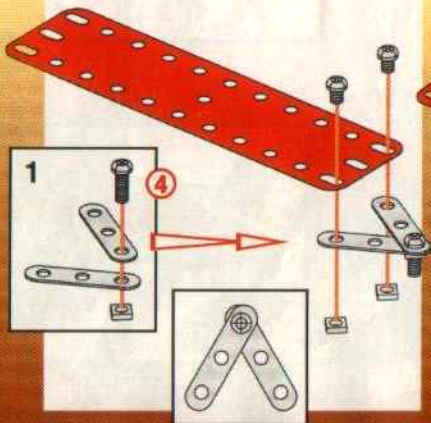
x 1

x 2

1**15**

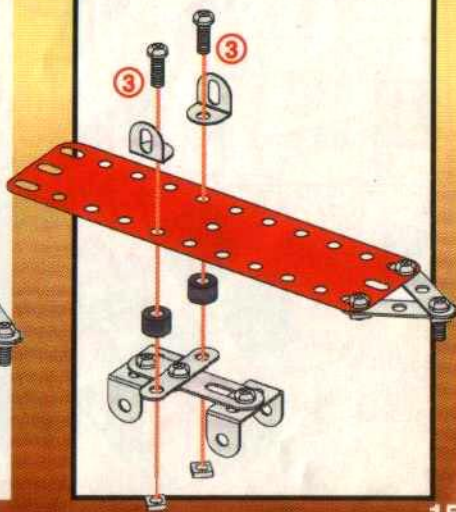
x 1

x 2

9,5 mm
3/8" x 1**16****14 + 15 +**

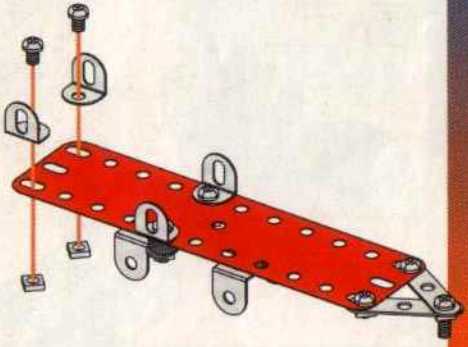
x 2

x 2

12 mm
1/2" x 2

17

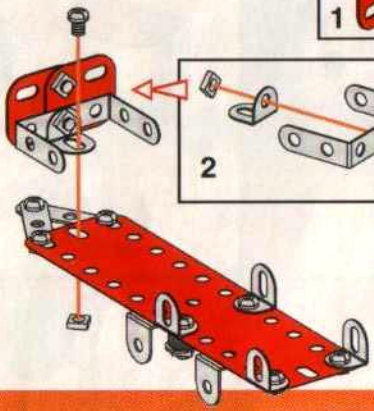
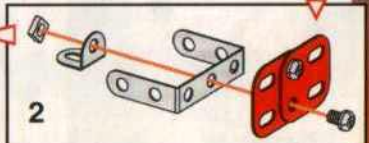
 - x 2





18

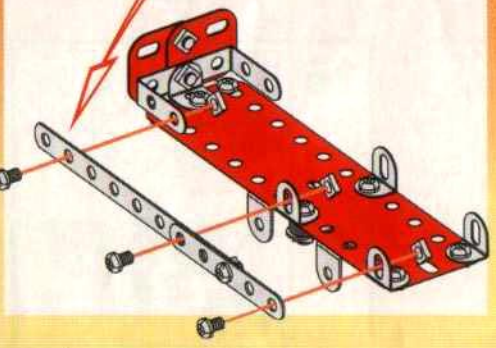
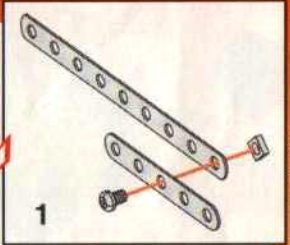
 - x 1  - x 1

 - x 2





19

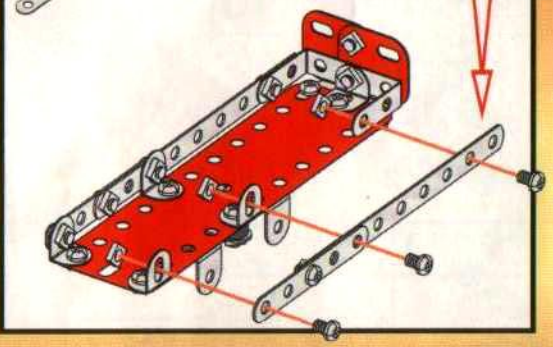
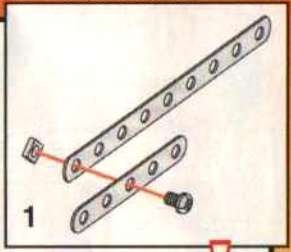
 - x 1
 - x 1





20

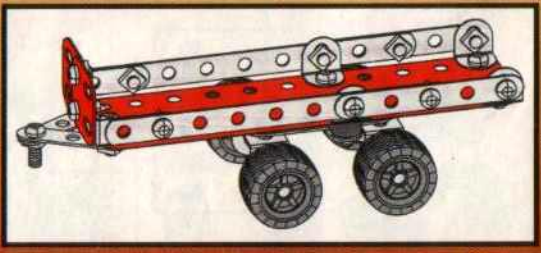
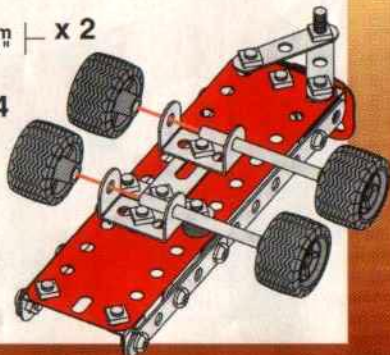
19+

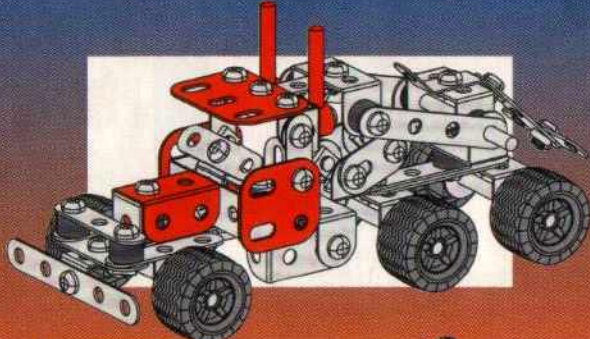
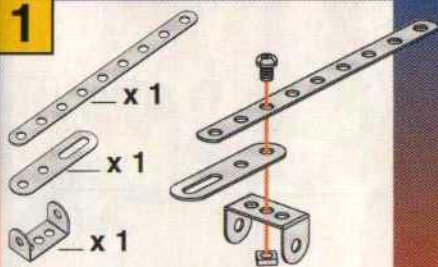
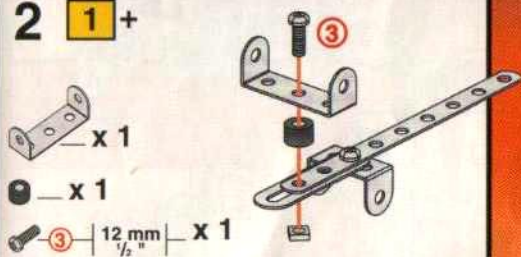
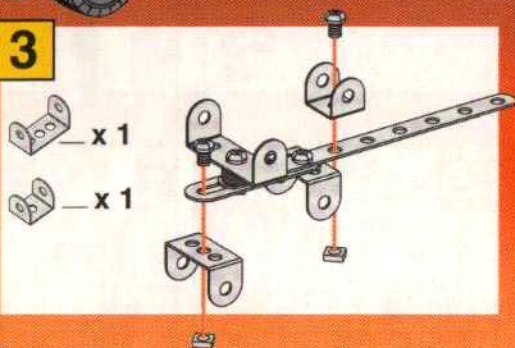
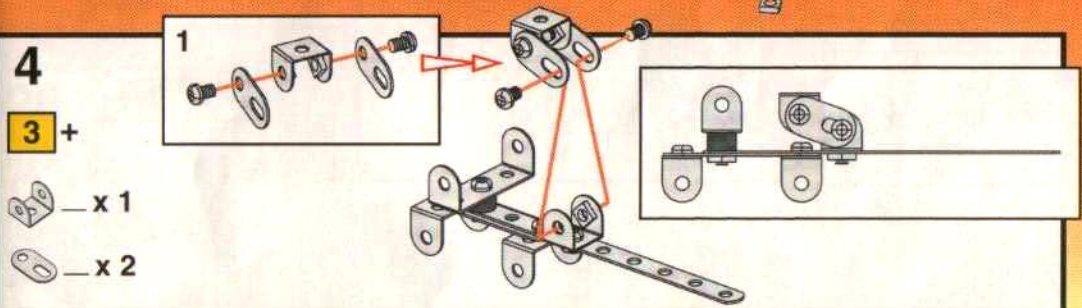
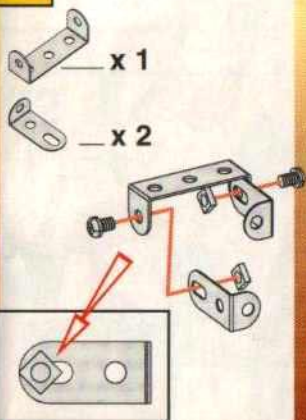
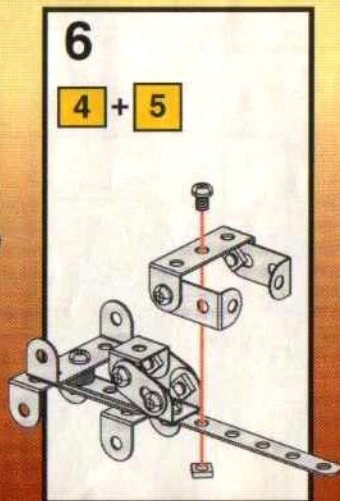
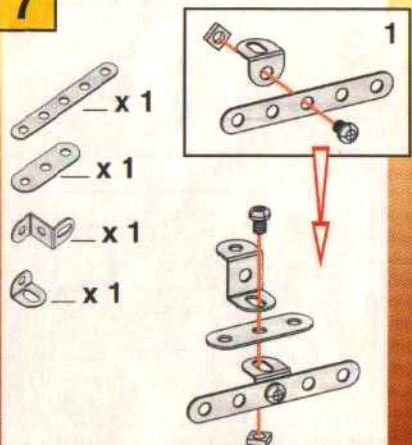
 - x 1
 - x 1



21

 6 cm
2 1/2" - x 2
 - x 4



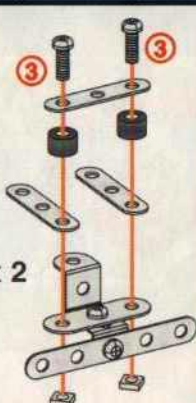
1**2** **1** +**3****4****3** +**5****6****4** + **5****7**

8 7+

— x 3

● — x 2

③ — 12 mm — x 2



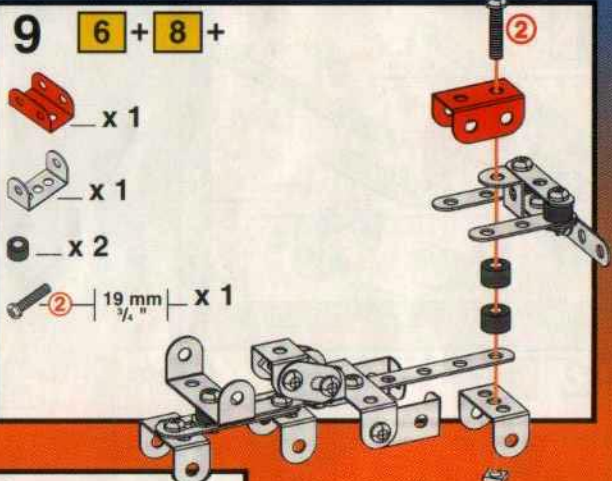
9 6+ 8+

— x 1

— x 1

● — x 2

② — 19 mm — x 1



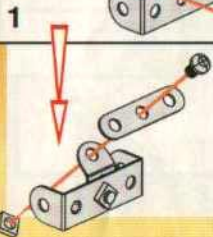
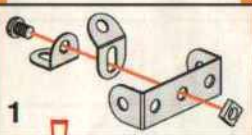
10

— x 1

— x 1

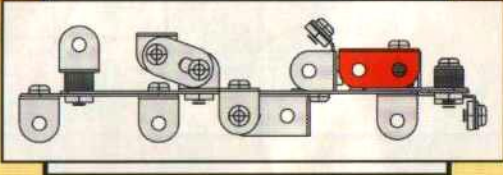
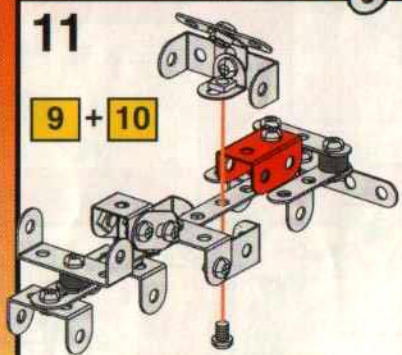
— x 1

— x 1



11

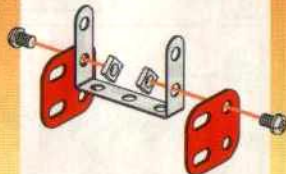
9 + 10



12

— x 1

— x 2



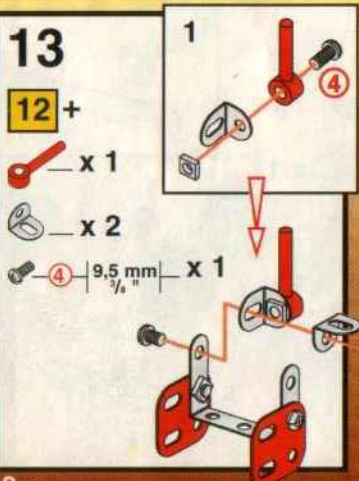
13

12+

— x 1

— x 2

④ — 9,5 mm — x 1



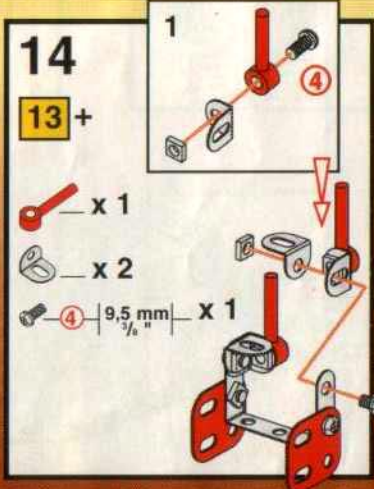
14

13+

— x 1

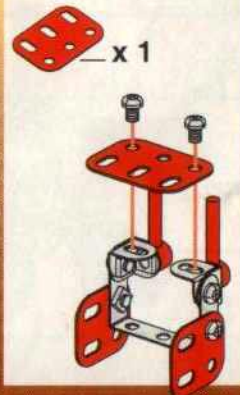
— x 2

④ — 9,5 mm — x 1



15

— x 1

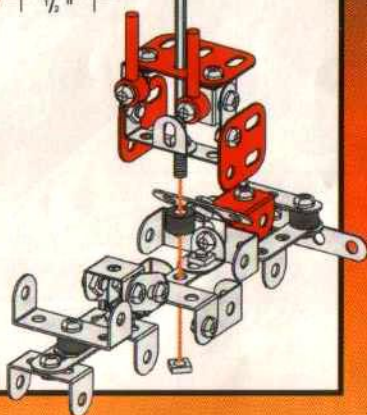
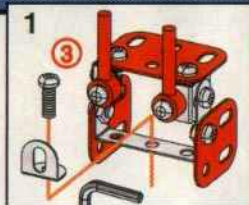


16**11** + **15** +

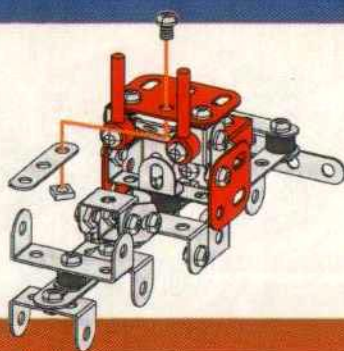
— x 1

— x 1

③ | 12 mm | x 1

**17**

— x 1

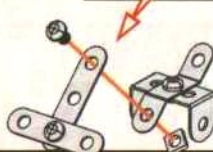
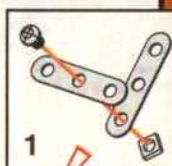
**18**

— x 1

— x 1

**19****18** +

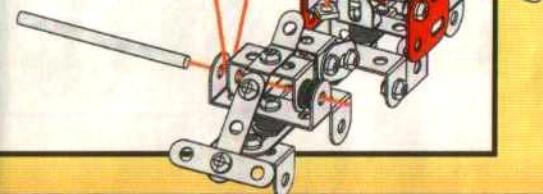
— x 2

**20****17** + **19** +

6 cm | 2 1/2" | x 1

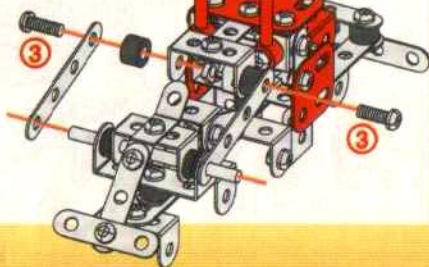
— x 1

— x 2

**21**

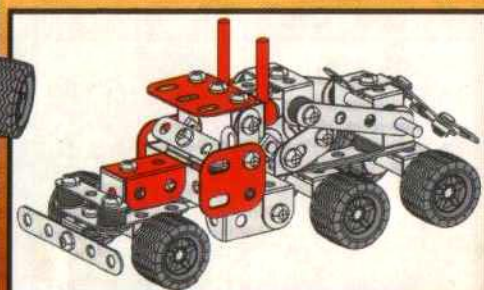
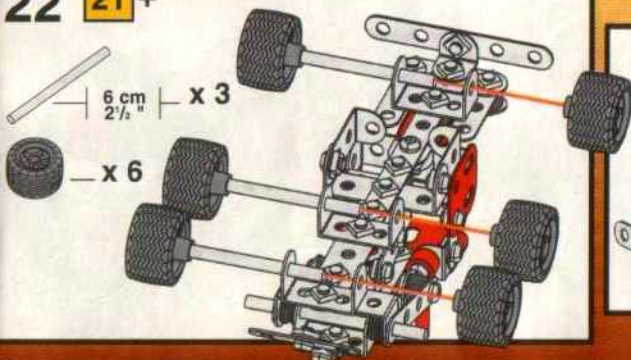
— x 2 ③ | 12 mm | x 2

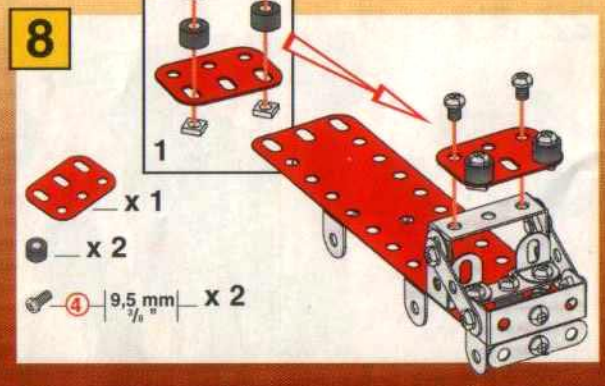
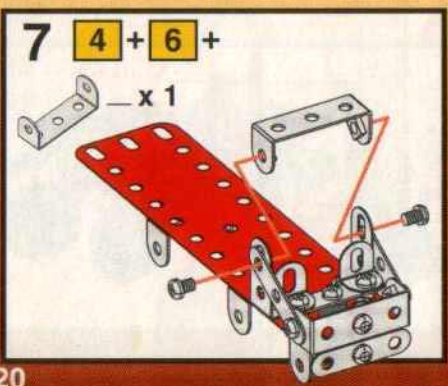
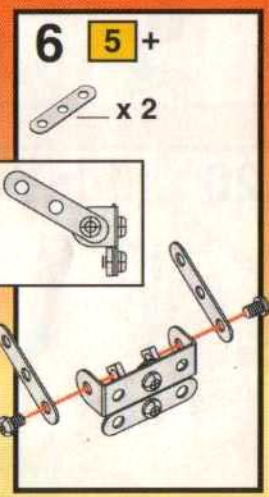
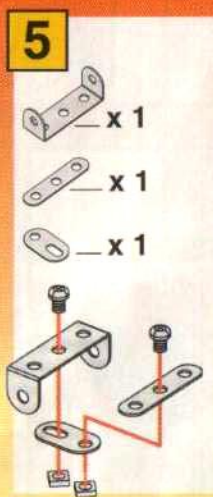
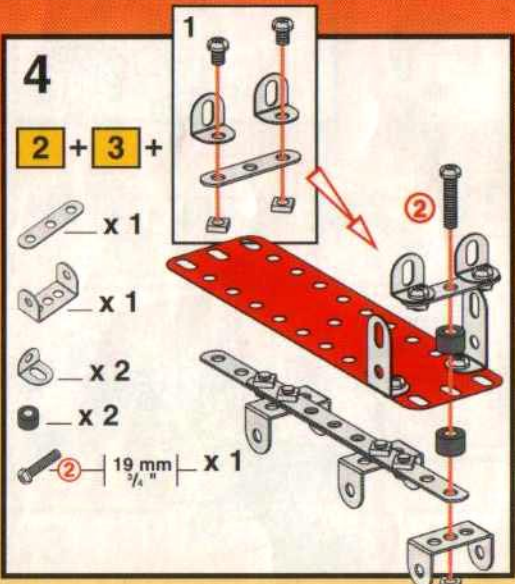
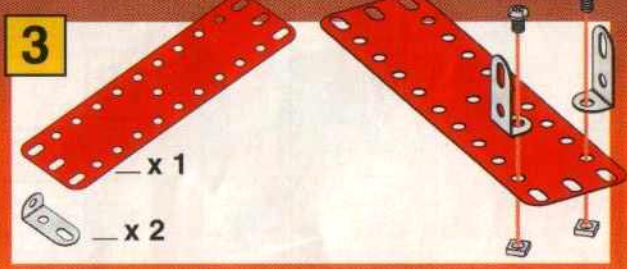
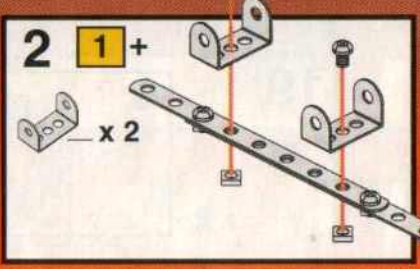
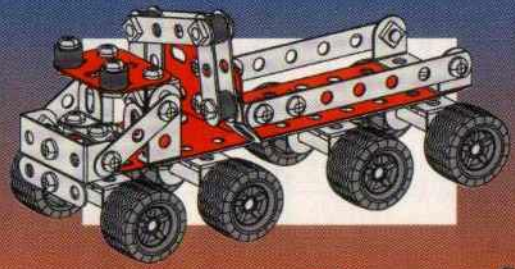
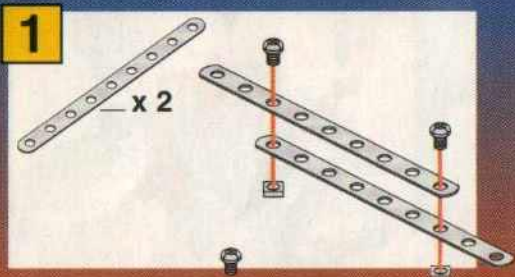
— x 2

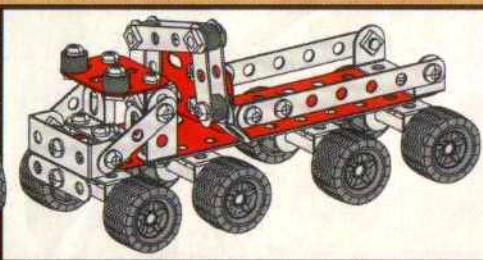
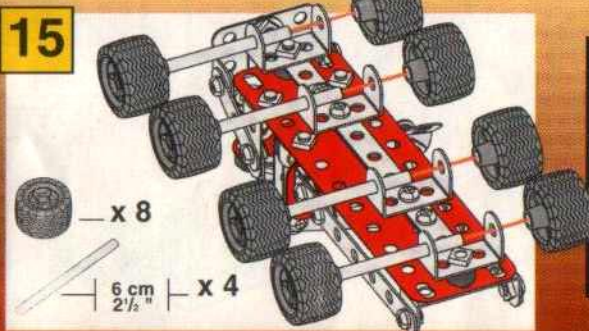
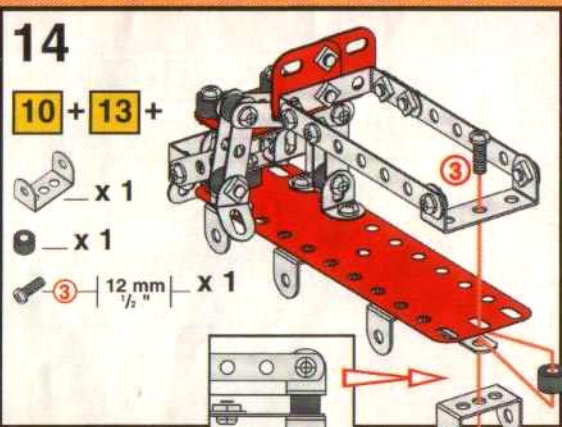
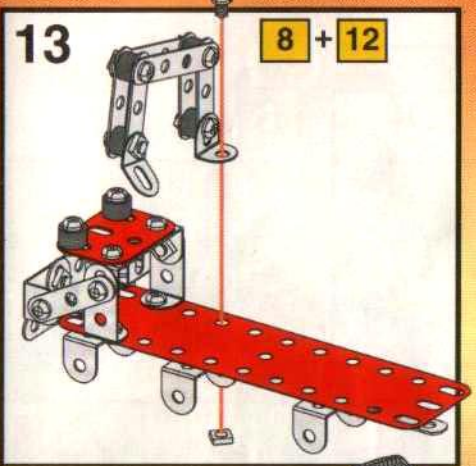
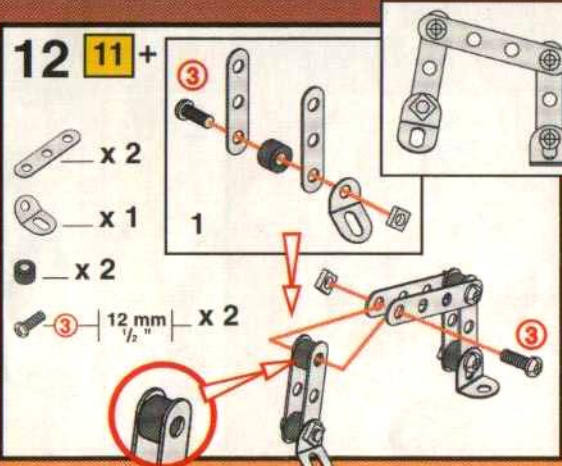
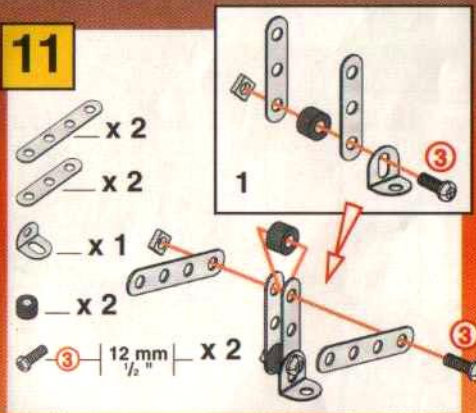
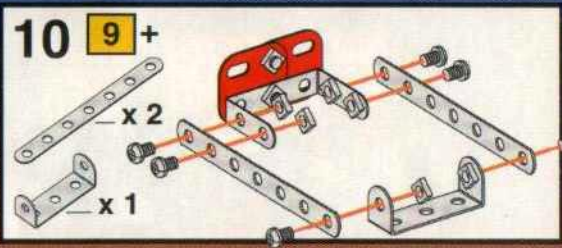
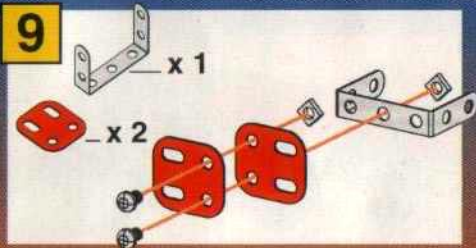
**22** **21** +

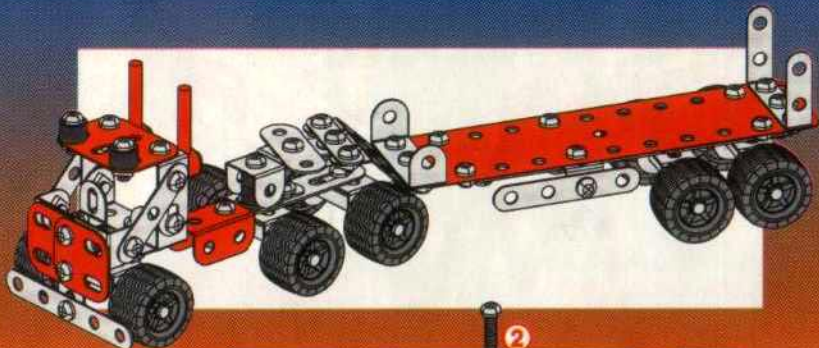
6 cm | 2 1/2" | x 3

— x 6









1

- x 1
- x 1
- x 1

2 **1**+

- x 1
- x 1
- x 1
- x 2
- 2** | 19 mm | 3/4" -x 1

3

- x 1

4

- x 1
- x 2

5 **3** + **4** +

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

6

- x 1
- x 2

7

6 +

- x 1
- x 1
- x 1
- 4** | 9,5 mm | 3/8" -x 1

8

- x 1
- x 1
- x 1
- 4** | 9,5 mm | 3/8" -x 1

9

8 +

— x 1

— x 2

③ | 12 mm | — x 2

Diagram showing the assembly of a red plate with two black pins and a grey connector. The pins are inserted into the holes of the red plate, and the connector is attached to the bottom of the pins. A red arrow points to the final assembly.

10

— x 1

— x 1

Diagram showing the assembly of a grey plate with a black pin and a grey connector. The pin is inserted into the hole of the grey plate, and the connector is attached to the end of the plate.

11

— x 1

— x 2

Diagram showing the assembly of a red plate with two black pins and a grey connector. The pins are inserted into the holes of the red plate, and the connector is attached to the bottom of the pins.

12

10 + **11**

Diagram showing the assembly of a red plate with two black pins and a grey connector. The pins are inserted into the holes of the red plate, and the connector is attached to the bottom of the pins.

13

9 + **12**

Diagram showing the assembly of a red plate with two black pins and a grey connector. The pins are inserted into the holes of the red plate, and the connector is attached to the bottom of the pins.

14

5 + **13** +

③ | 12 mm | — x 1

— x 1

Diagram showing the assembly of a red plate with two black pins and a grey connector. The pins are inserted into the holes of the red plate, and the connector is attached to the bottom of the pins.

15

— x 6

6 cm | 2 1/2" | — x 3

Diagram showing the assembly of a red plate with two black pins and a grey connector. The pins are inserted into the holes of the red plate, and the connector is attached to the bottom of the pins.

Diagram showing the final assembly of the chassis, including the wheels and the red plate.

16

— x 1

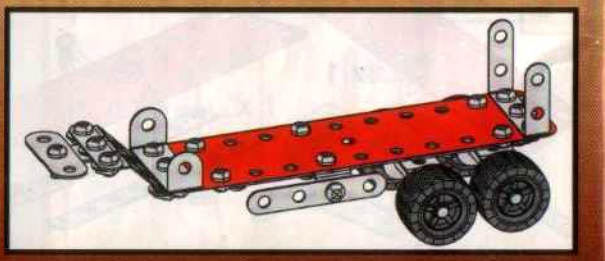
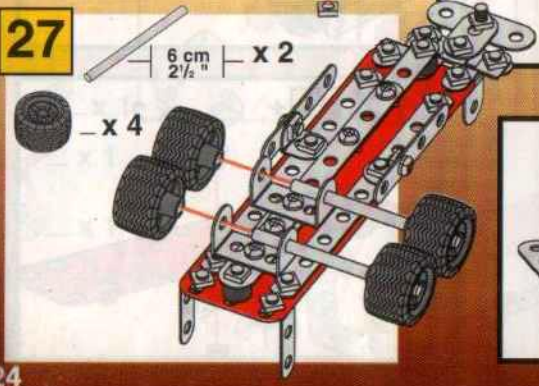
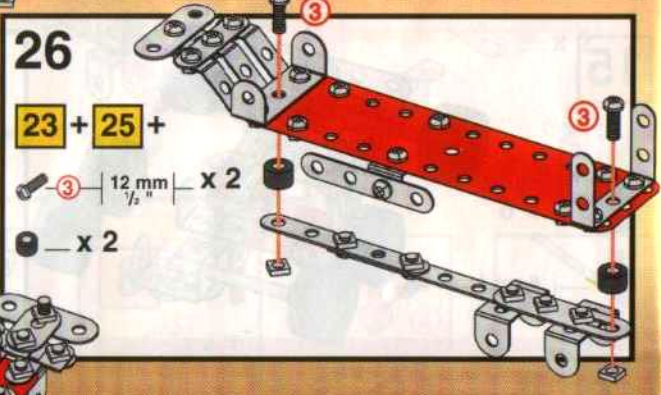
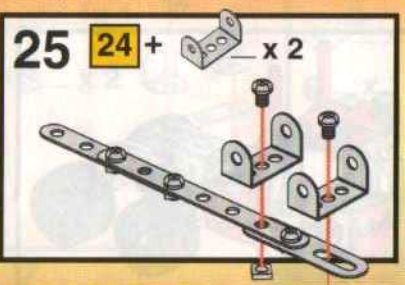
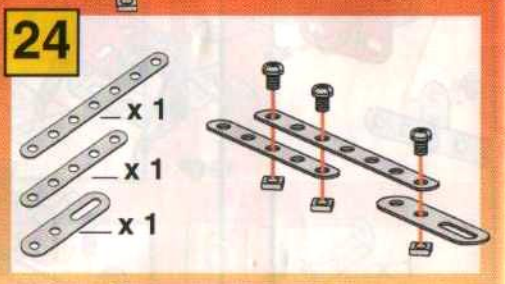
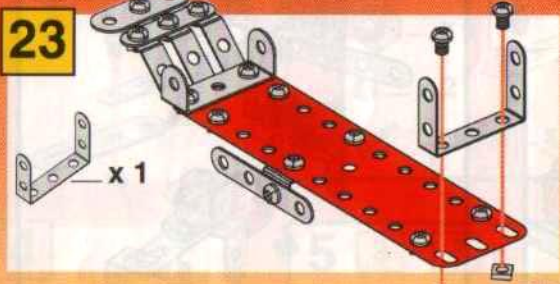
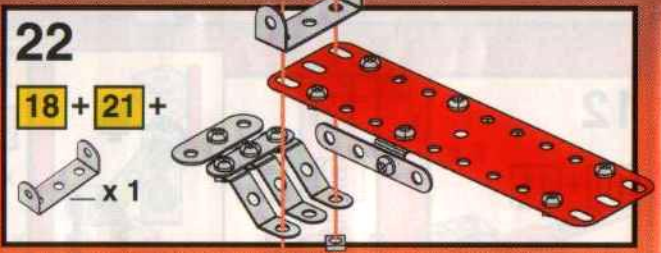
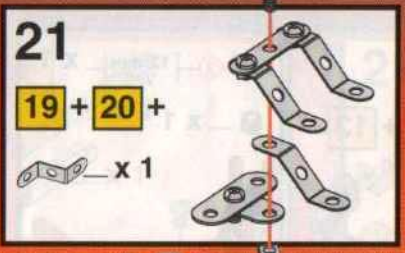
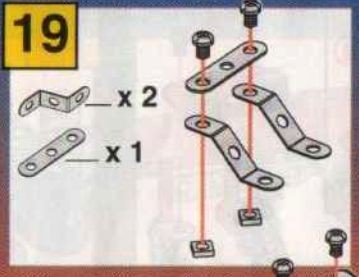
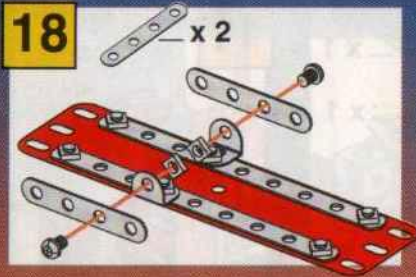
— x 2

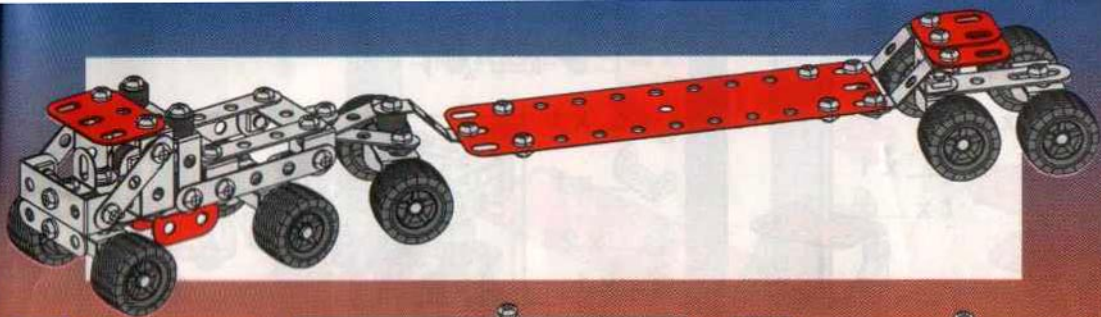
Diagram showing the assembly of a red plate with two black pins and a grey connector. The pins are inserted into the holes of the red plate, and the connector is attached to the bottom of the pins.

17 **16** +

— x 2

Diagram showing the assembly of a red plate with two black pins and a grey connector. The pins are inserted into the holes of the red plate, and the connector is attached to the bottom of the pins.





1

x 1

4 | 9,5 mm | $\frac{1}{8}$ " | x 1

2

1 +

x 1

x 1

3

x 2

x 2

4

x 2

3 +

3 | 12 mm | $\frac{1}{2}$ " | x 2

5

x 1

4 | 9,5 mm | $\frac{1}{8}$ " | x 2

x 2

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

x 1

x 2

3 | 12 mm | $\frac{1}{2}$ " | x 2

7 **2** + **6** +

x 1

8

x 2

x 1

9

x 1

x 2

10

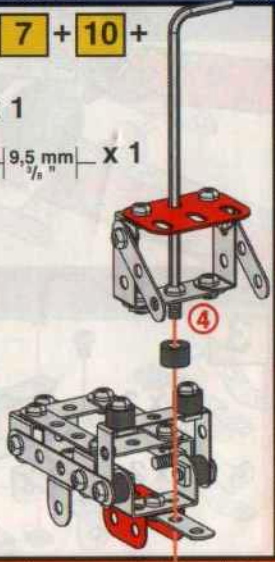
8 + **9** +

x 2

11 7 + 10 +

● x 1

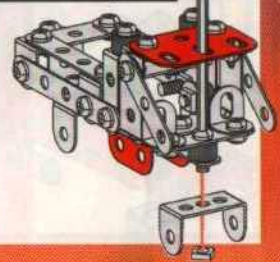
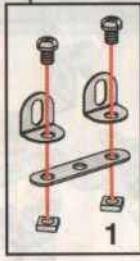
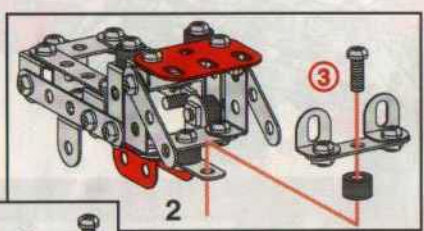
④ | 9,5 mm | x 1



12

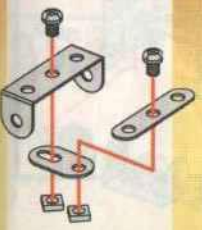
③ | 12 mm | 1/2" | x 1

- x 1
- x 1
- x 2
- x 1

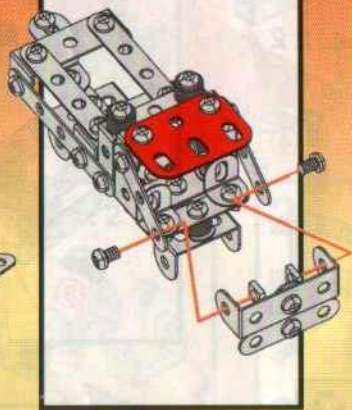


13

- x 1
- x 1
- x 1



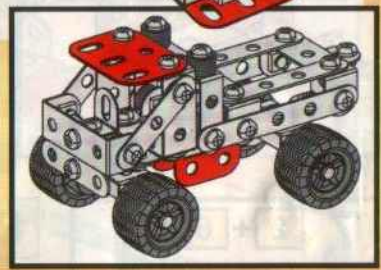
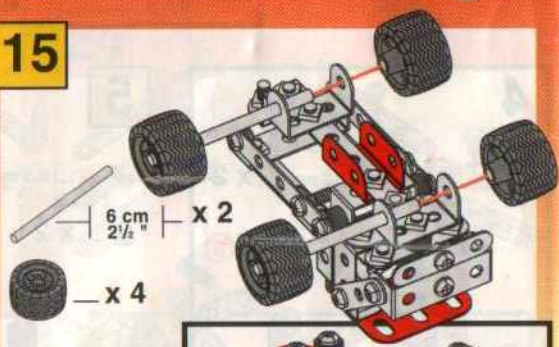
14 12 + 13



15

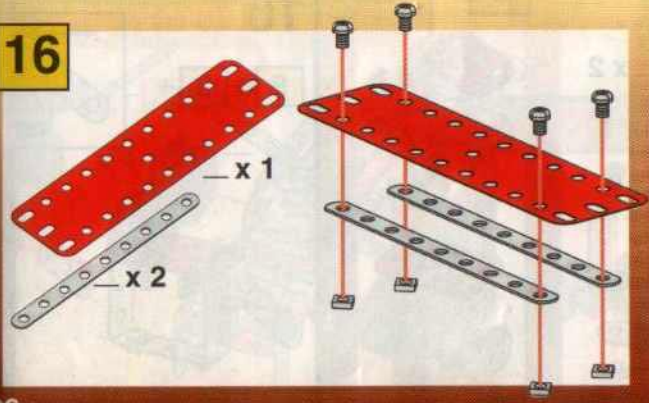
6 cm | 2 1/2" | x 2

— x 4



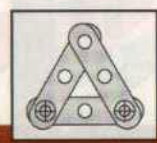
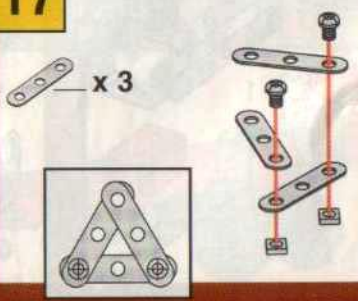
16

- x 1
- x 2

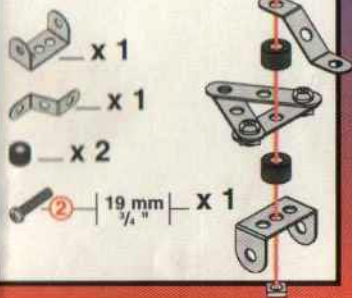


17

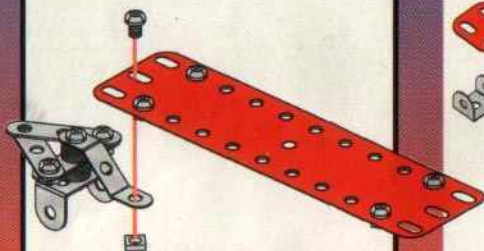
— x 3



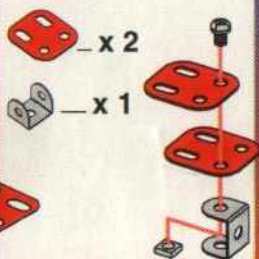
18 17+



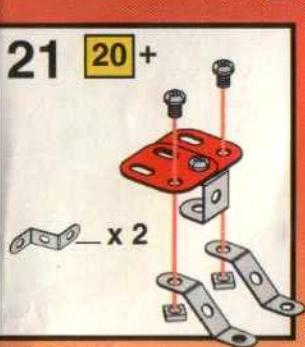
19 16+18



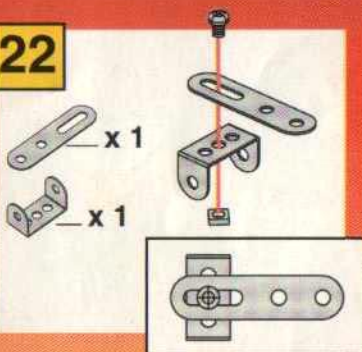
20



21 20+

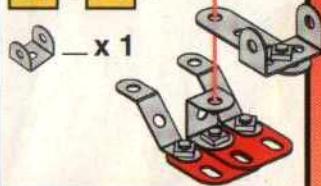


22



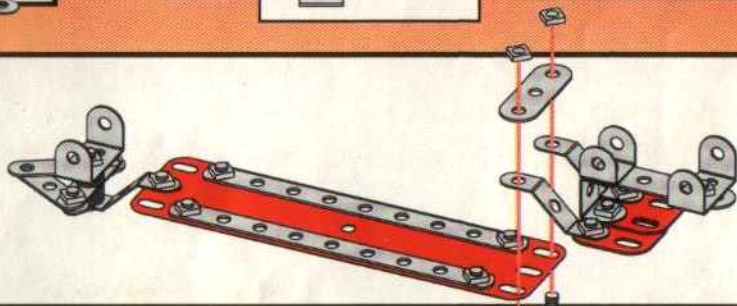
23

21+22+

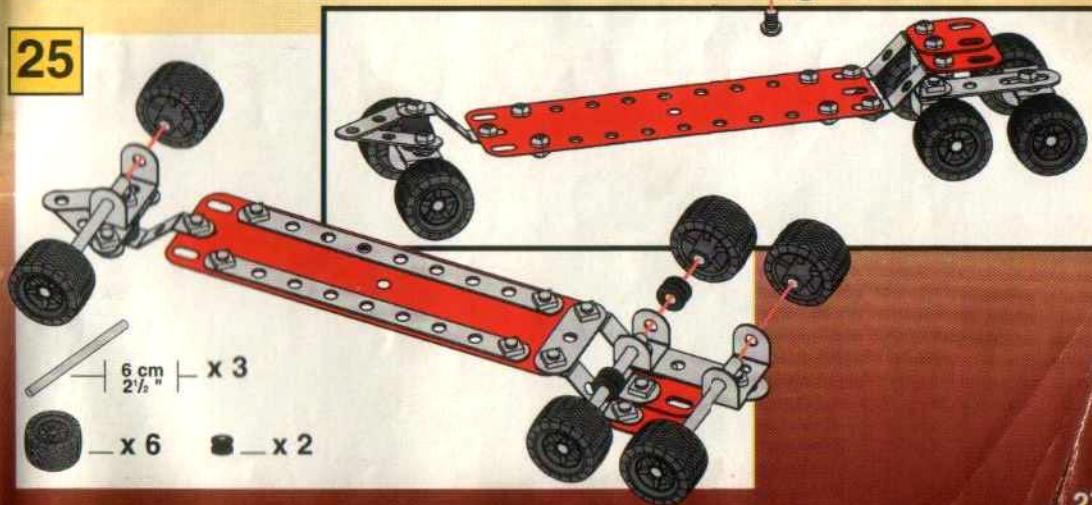


24 19+23+

— x 1



25



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

MECCANO®

Perforated strip ± 9 holes
Bande ± 9 trous
Lochband
Banda ± 9 buchi
Långbalk ± 9 hål
Reijetty lista



Double angle strips
Bandes coudées
Winkel-Lochband
Banda a gomito
Dubbel vinklad balk
Kaksosikulinen lieta



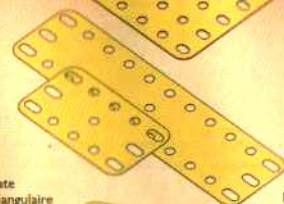
Angle girders ± 4 holes
Cornières ± 4 trous
Winkelisen
Profilato ± 4 fori
Vinkelbalk ± 4 häls
Kulmarauta



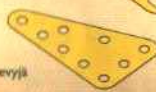
Flat plates
Plaques rigides
Feste Platten
Piastra rigide
Hälplatå, plåt
Jykkälevyjä



Flexible plates
Plaques flexibles
Flexibele Platten
Piastra flessibili
Bojlig platta
Joustavia levyjä



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



Flanged sector plate
Plaque à rebords
Winkelplatten
Piastra con bordi
Vinkelplatta
Kulmalery



Fishplate
Support plat
Flachstütze
Supporto piatto
Stödjarn
Litsas tukirauto



Angle brackets 90° (135°)
Equerres 90° (135°)
90° (135°) Winkelarm
90.0ns 90° (135°)
90.0ns 90°
Kulmarautoissa 90° (135°)



Element ± 9 huller
Varilla ± 9 agujeros
Geporfoderde strook ± 9 gaten
Pega perfurada ± 9 furos
Διάτρητο μικρότερο
στοιχείο ± 9 τρύπες
穴あき (±) プレート

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

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

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

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

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

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

Fladstøtte
Soporte llano
Flachstütze
Supporto piano
Επίπεδο στοιχείο στήριξης
リボート板

Vinkelbeslag på 90 grader (135 grader)
Angulus 90° (135°)
Hoekarmen 90° (135°)
Angulus 90° (135°)
90.0ns 90° (135°)
コーナープレート (90度/135度)

Double brackets
Supports doubles
Doppelsätze
Sopporti doppi
Lagerstod, dubbelt
Kaksosäiset



Reversed angle bracket
Equerre renversée
Doppelwinkel
Squarita capovolta
Dubbelwinkel
Kaksosikulma



Corner bracket
Pouti gousset d'assemblage
Kleiner eckwinkel
Piccolo raccordo d'assemblaggio
Hornförstärkning
Kulmarauti



Axle coil
Triagle
Stange
Barra
Axel
Akseli/tanko



Pulleys
Poulies
Rollen
Pulegge
Remskiva
Hihnyppöriä



Set collar
Bague d'arrête
Haltering
Anello di sicurezza
I stoppping
Turvaprikka



Washers
Rondelles
Lochscheiben
Rondelle
Bricker
Prikkoja



Spacer
Entretoise
Steg
Briglia di collegamento
Distanshylsa
Väljholkki
ierrepultti



Stud bolt
Boulon pivot
Zapfenchraube
Bullone perno
Stödbult
Nuppillinen kierrepultti



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



Square nut
Ecrou carré
Viertkannmutter
Dado quadrato
Fyrkantmutter
Mutteri



Open ended spanner
Clé pour écrou
Schraubenschlüssel
Chiave per dado
Muttermeißel
Kierretyöväin



Double brackets
Soportes de doble coña
Dubbele steunstukken
Supportes de cantos duplos
Διάτρητο μικρότερο στοιχείο
ダブルサポート
マブルサポート

Onverst. vinkel
Angulo doble
Omgekeerde hoeksteen
Duplo angulo
Avstosspån väv
裏返しコーナープレート

Hjørnebror
Vaina para ensamblar
Driehoeksteun
Triângulo de união
Αγκυράς σύνδεσης
小ガセットプレート

Stang
Varille
As
Barra
Mitä
トライアングル

Remskive
Poleas
Riemschijven
Rodenas
Tooykkin
動輪

Stopring
Anillo de parada
Kraag met stelschroef
Anillo de travamento
Περίσφιξις
止めリング

Flade Hige
Arandelas
Onderlegingen
Anilhas
Põhikil
垫圈

Mellemstykke
Codal
Dwarststukken
Españador
Συνοχέλις
セパレーター

Tappelrus
Pivote
Bout met kop
Parafuso pivô
Μπουλόνι
ピボット・ボルト

Scru (hovedløs)
Tornillo (sin cabeza)
Verzonken schroef
Parafuso sem cabeça
Βίδα χωρίς κεφαλή
無頭 (釘)

Firkantet møterik
Tuercas cuadradas
Vierkante moer
Porca quadrada
Τετράγωνο μπουλόνι
角形ナット

Flachstütze
Llave para llave (4)
Schraubenschlüssel
Clave de pueras
κλειδί για βίδες
フラット

Kaksosäiset
Llave para tornillos de 4 caras
Hihnyppöriä
Clave para tornillos
kaksosäiset
二面サポート