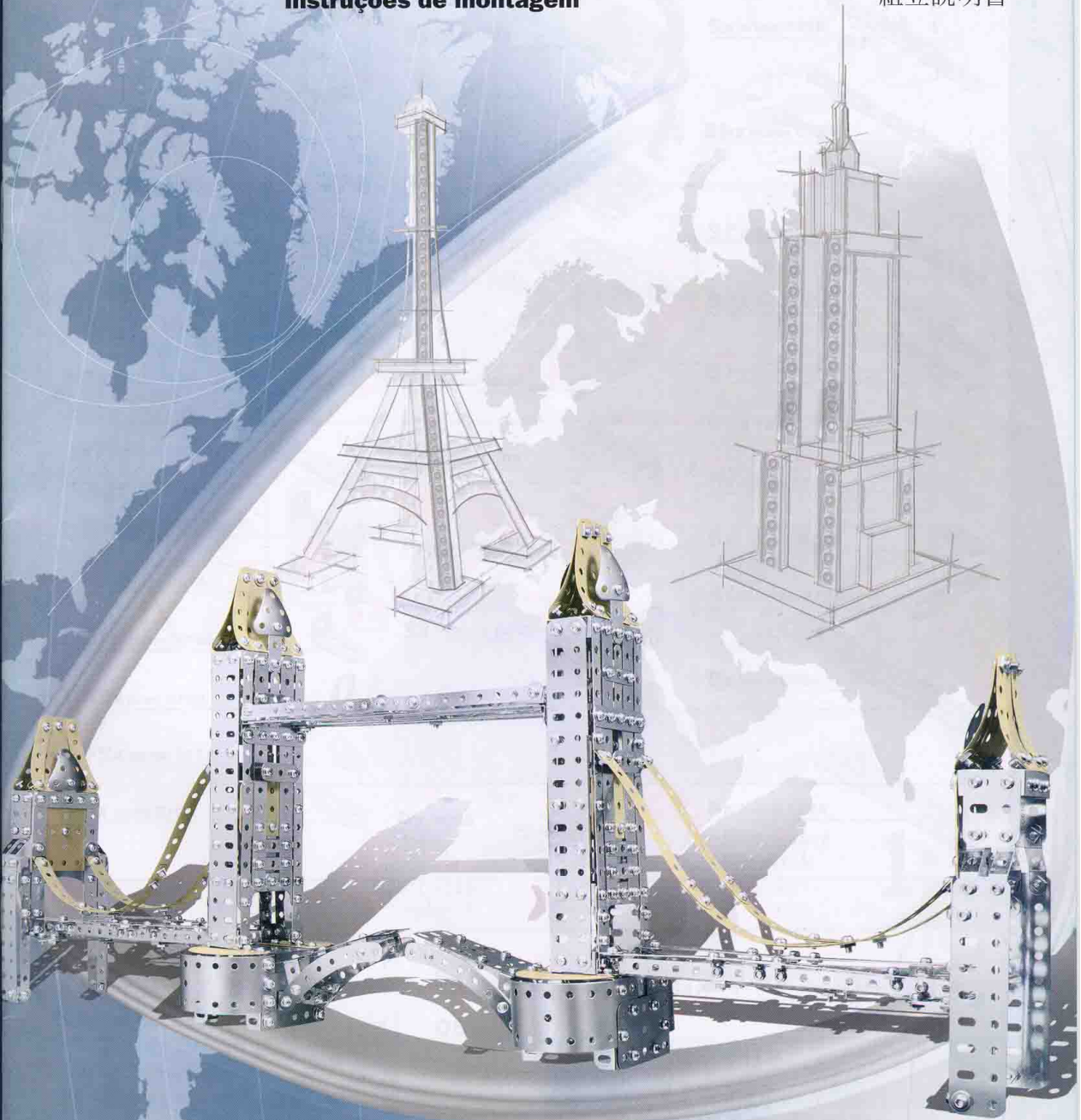


**Instructions**  
**Notice de montage**  
**Bauanleitung**  
**istruzioni di montaggio**  
**Instrucciones de montaje**  
**Instruções de montagem**

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



8+



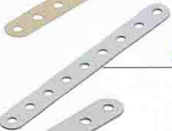
**A801** (0001A) **x2**



**A415** (0235D) **x48**



**B482** **x12**



**A302** (0002A) **x12**



**A105** (0005) **x16**



**B487** **x24**



**A417** (0235H) **x8**



**A506** (0006A) **x8**



**A416** (0235G) **x12**



**A303** (0103) **x8**



**A297** (0103C) **x4**



**A522** (0189) **x8**



**A520** (0188) **x10**



**A520** (0188) **x16**



**A603** (0009E) **x4**



**A602** (0009D) **x2**



**A455** (0161) **x4**



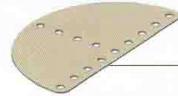
**A300** (0103F) **x2**



**A307** (0103H) **x4**



**B205** **x4**



**A214** (0214) **x4**



**A201** (0201) **x2**



**A367** (0133B) **x8**



**B484** **x6**



**A438** (825A) **x4**



**A825** (0825) **x8**



**A448** (0048A) **x12**



**A248** (0048) **x4**



**A720** (0011) **x6**



**A512** (0012B) **x16**



**A012** (0012) **x44**



**A712** (0012C) **x24**



**A010** (0010) **x6**



12 mm | **A411** (0111A) **x8**  
1/2"



9,5 mm | **A511** (0111C) **x6**  
3/8"



5,8 mm | **A637** (0037B) **x479**  
15/64"



**A238** (0038A) **x8**



**A138** (0038) **x30**



**A337** (0037A) **x487**



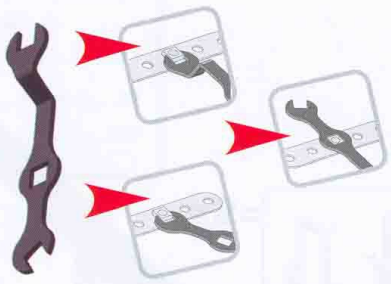
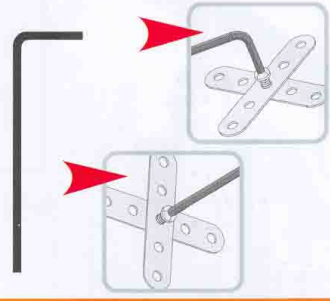
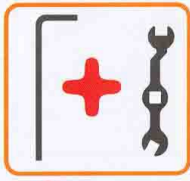
**A737** (0037H) **x6**



**A134** (0034) **x1**



**A136** (0036C) **x1**



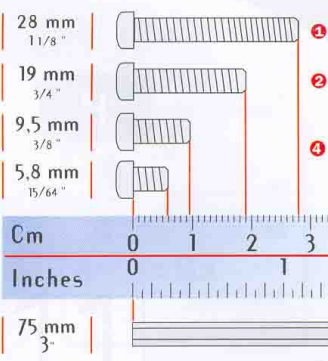
1



2



3



Scale  
Echelle  
Maßstab  
Scala

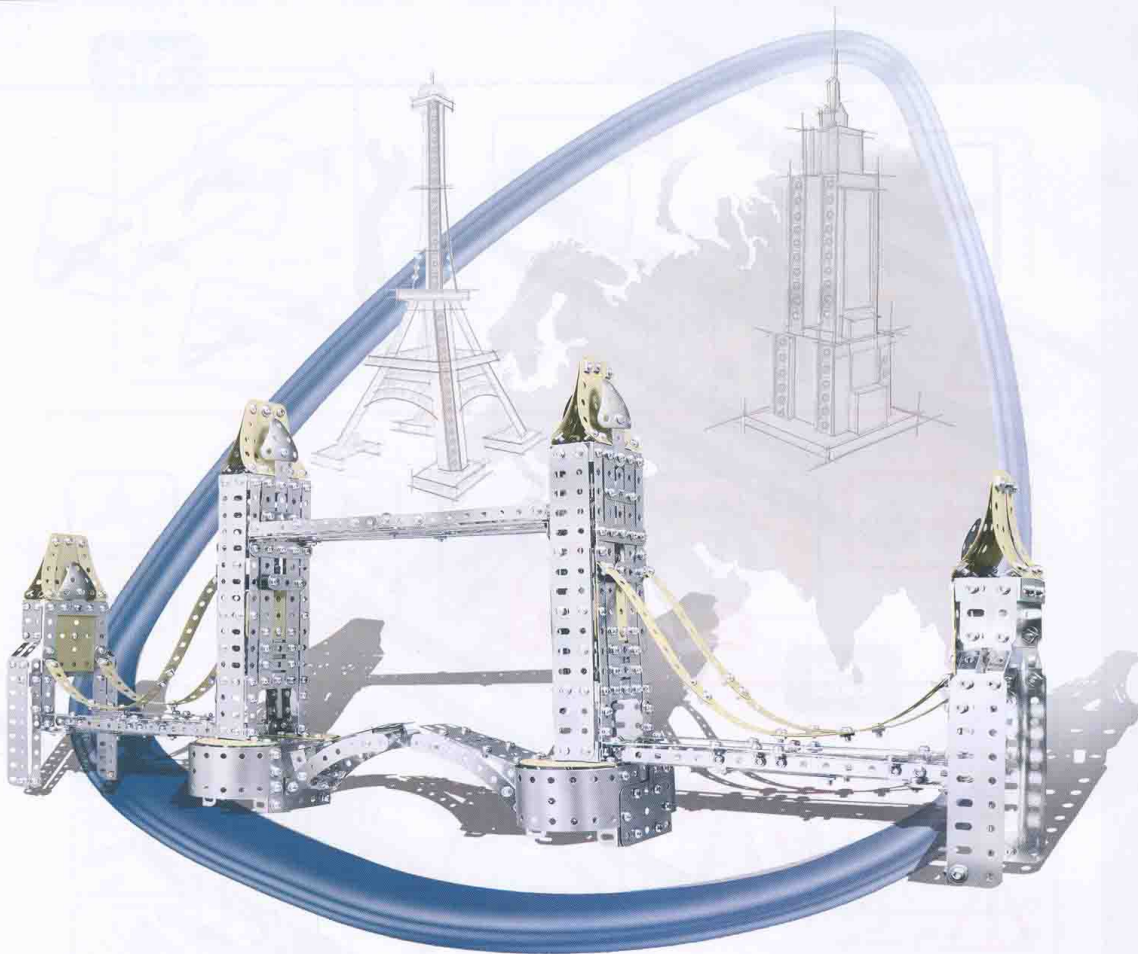
Escala  
Schaal  
Escala  
Skala

Mittakaava  
Målestok  
Κλίμακα  
スケール









1:1

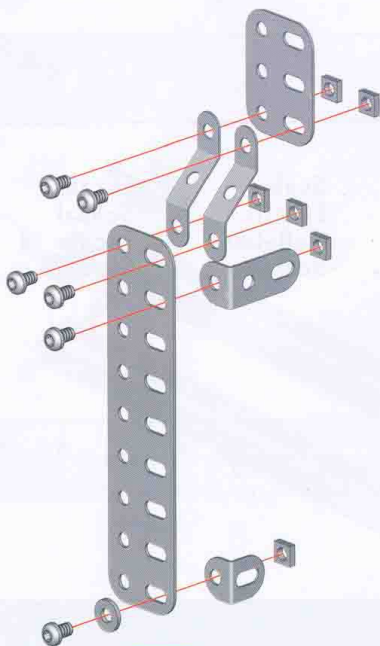






**1**

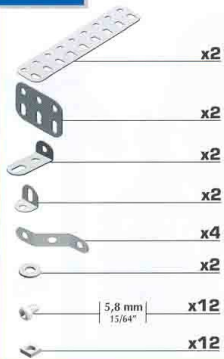
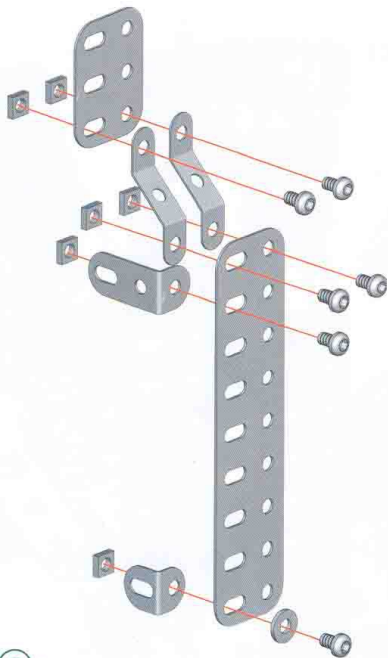
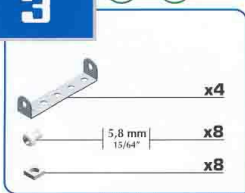
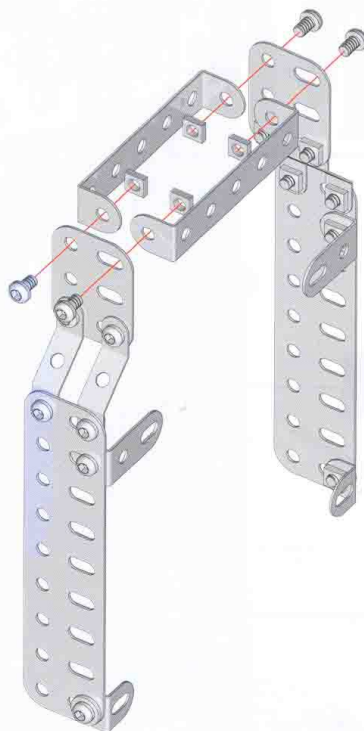
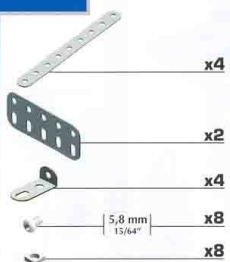
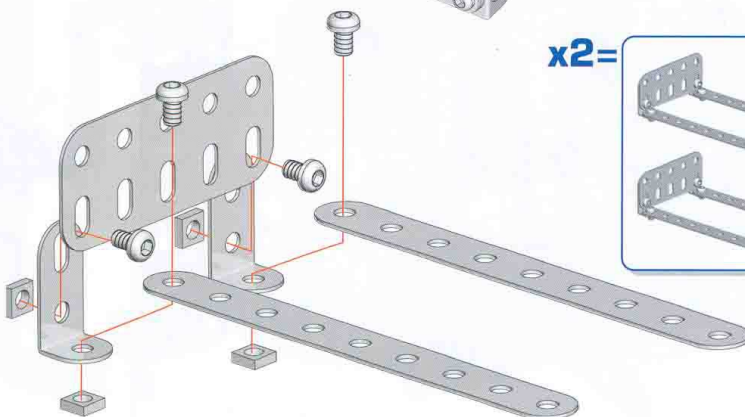
-  x2
-  x2
-  x2
-  x2
-  x4
-  x2
-  | 5,8 mm | x12
-  | 15/64" | x12

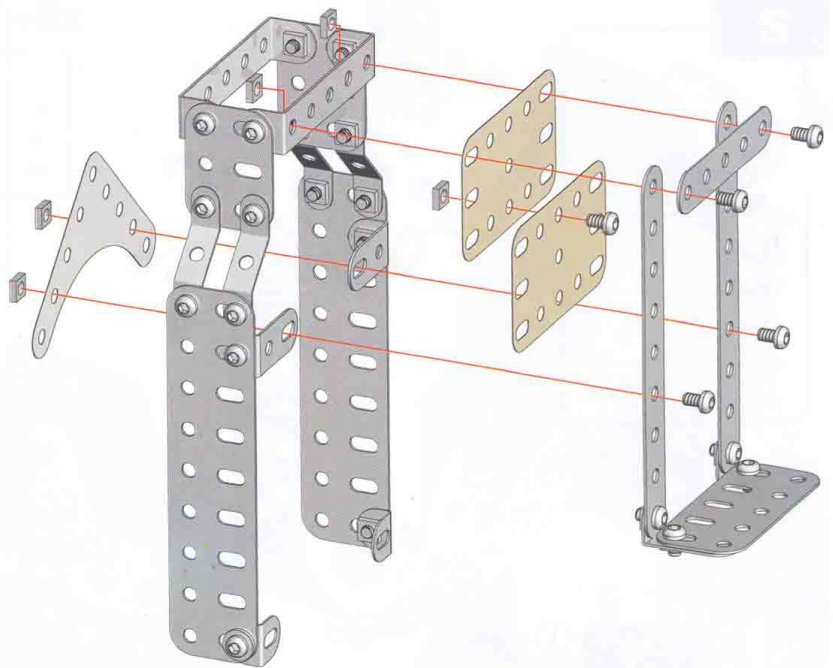
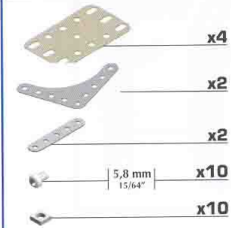
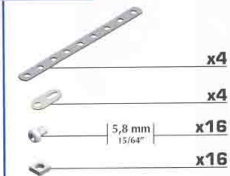
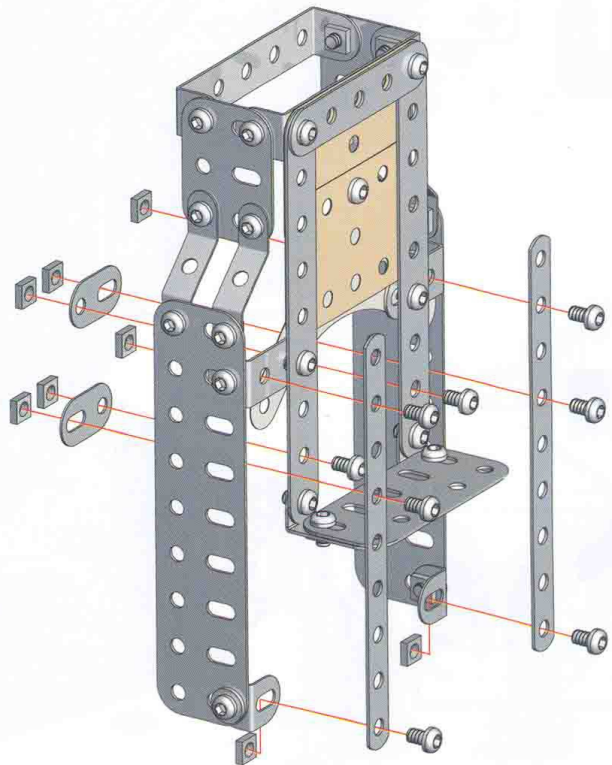


x2=






**4**

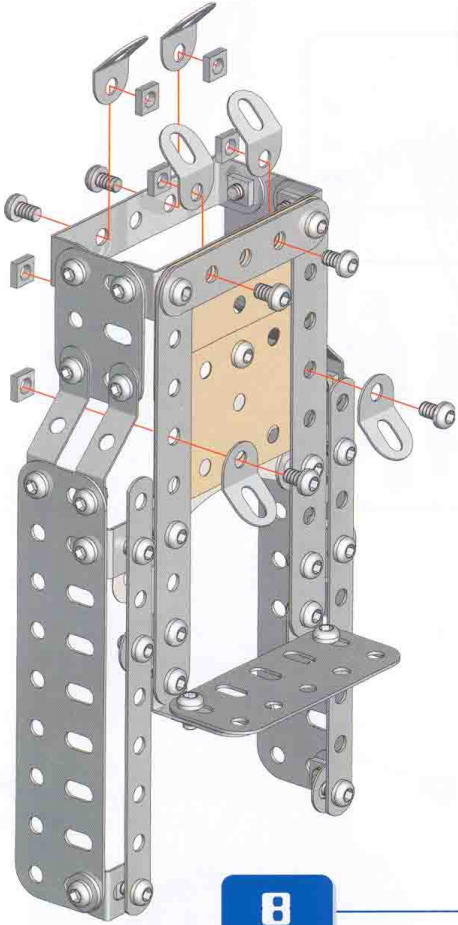
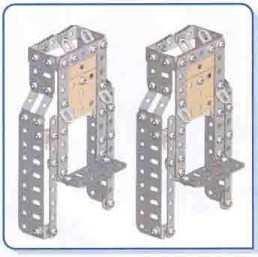
**2****x2=****3****1+2+****x2=****4****x2=****5**

**5****3 + 4 +****x2=****6****x2=****6**


7

-  x12
-  5,8 mm / 15/64" x12
-  x12

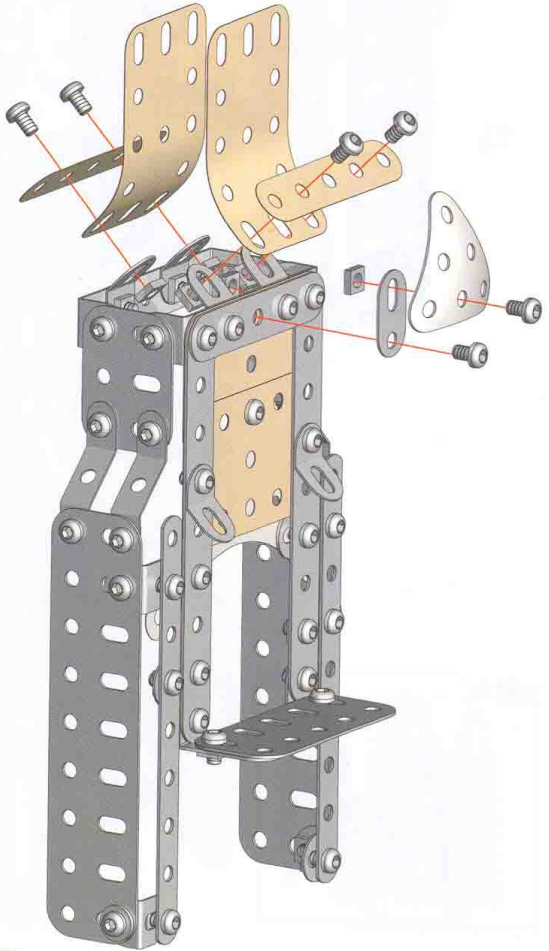
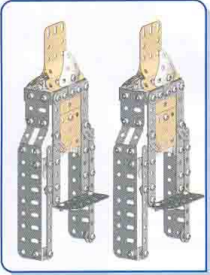
x2=



8

-  x4
-  x4
-  x2
-  x2
-  5,8 mm / 15/64" x12
-  x12




x2=



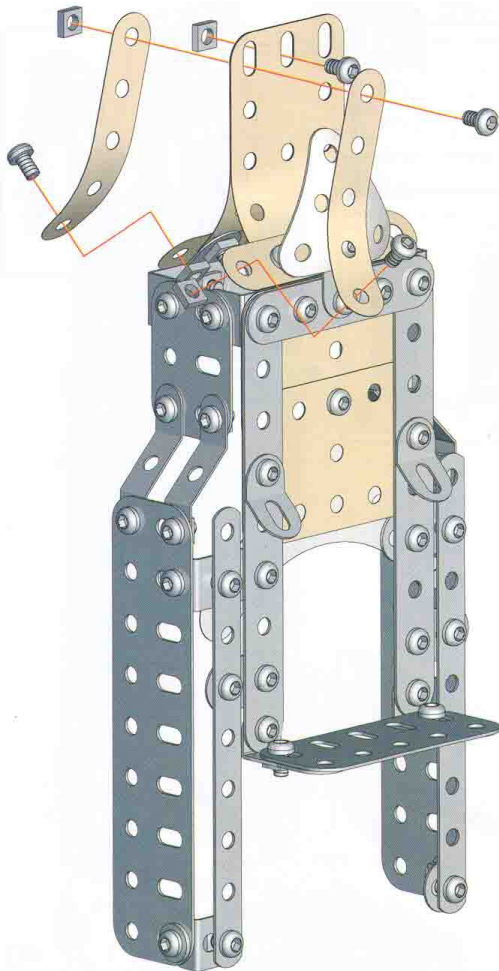
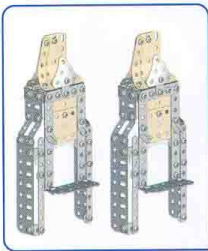
?






9

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

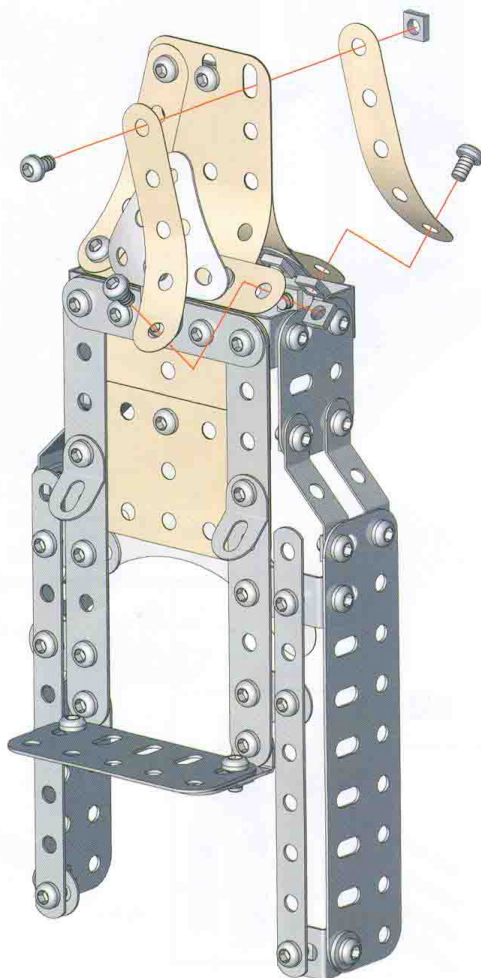
x2=



10

-  x4
-  5,8 mm | 15/64" x6
-  x6

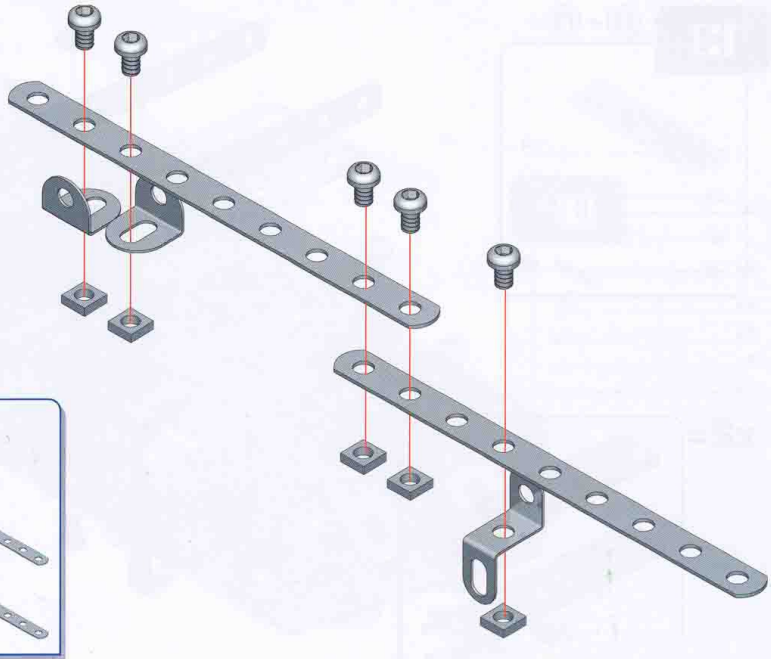
x2=





11





-  x4
-  x2
-  x4
-  x10
-  x10

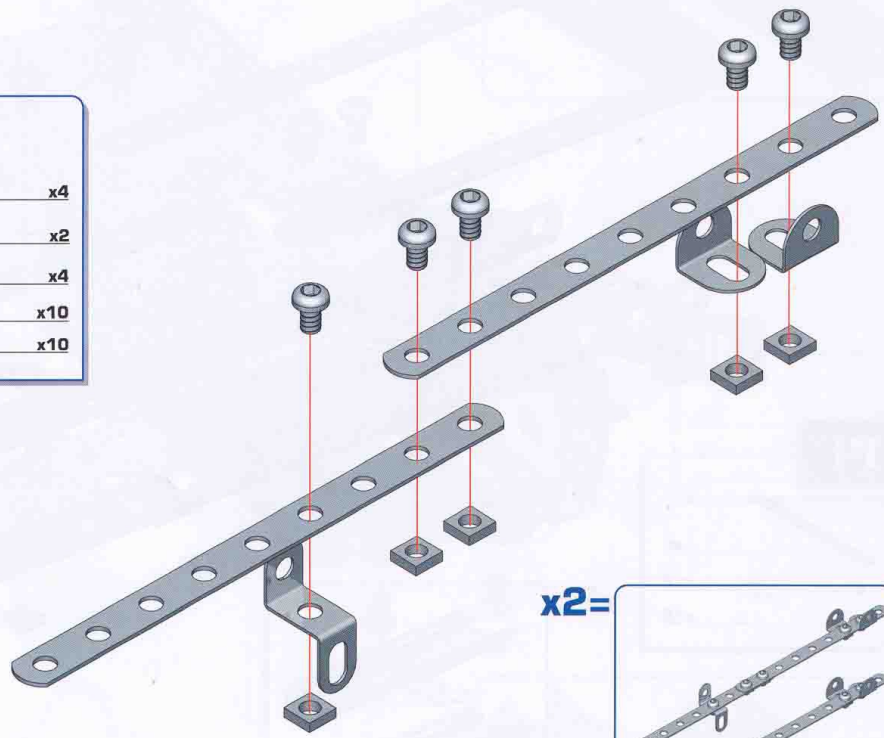


x2=

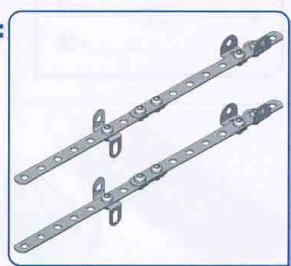


12

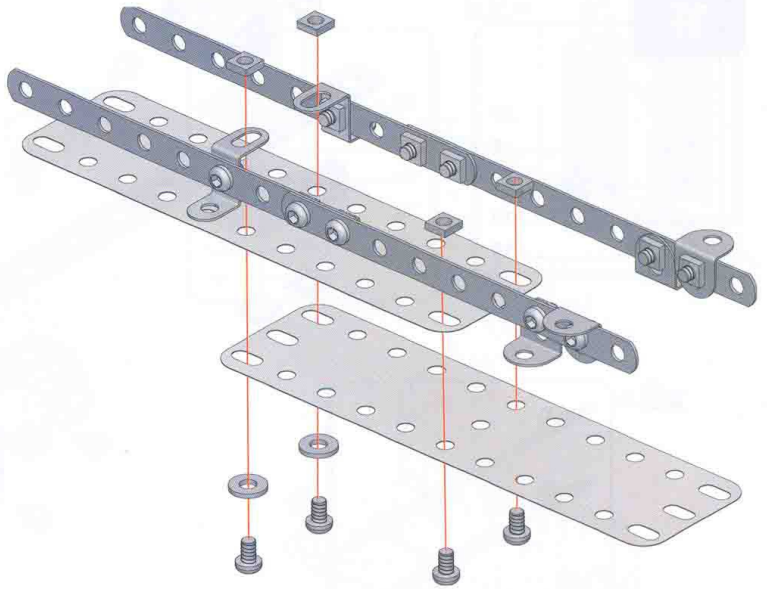
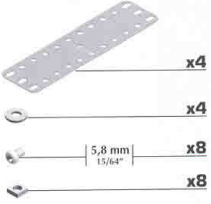
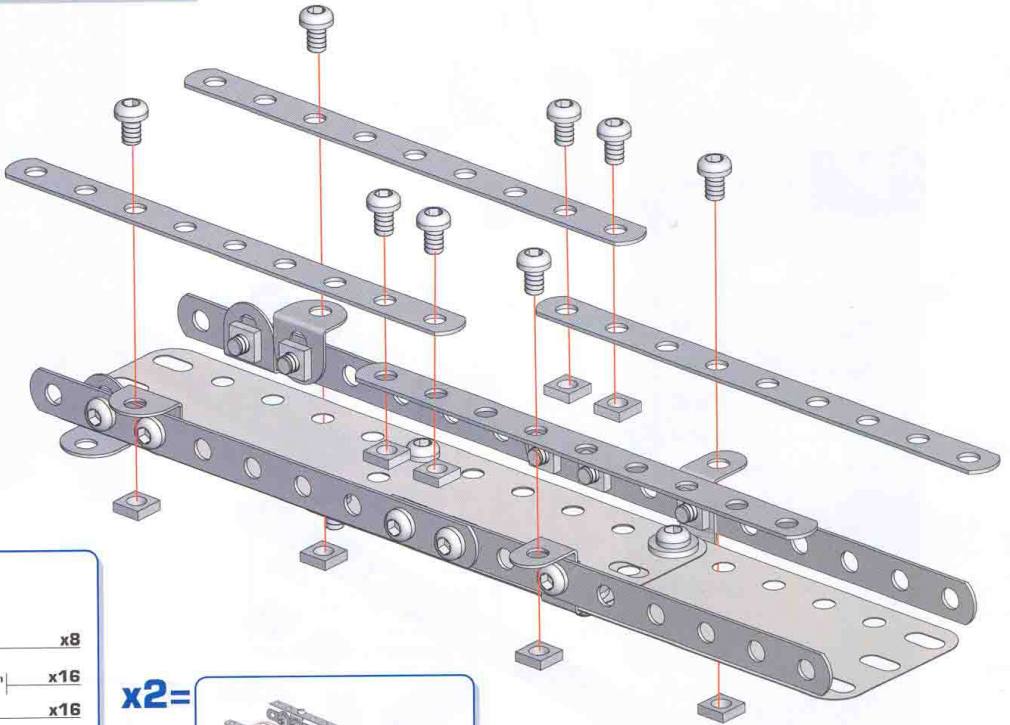
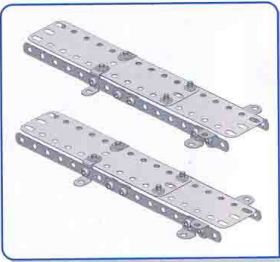
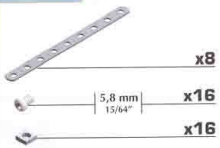
-  x4
-  x2
-  x4
-  x10
-  x10








x2=



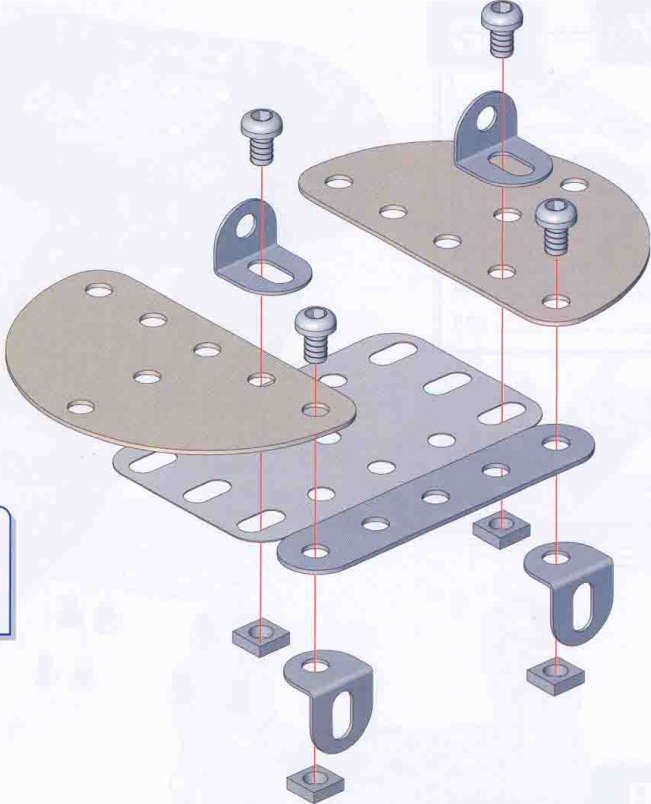
9

**13****11 + 12 +****x2=****14****x2=**





15

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

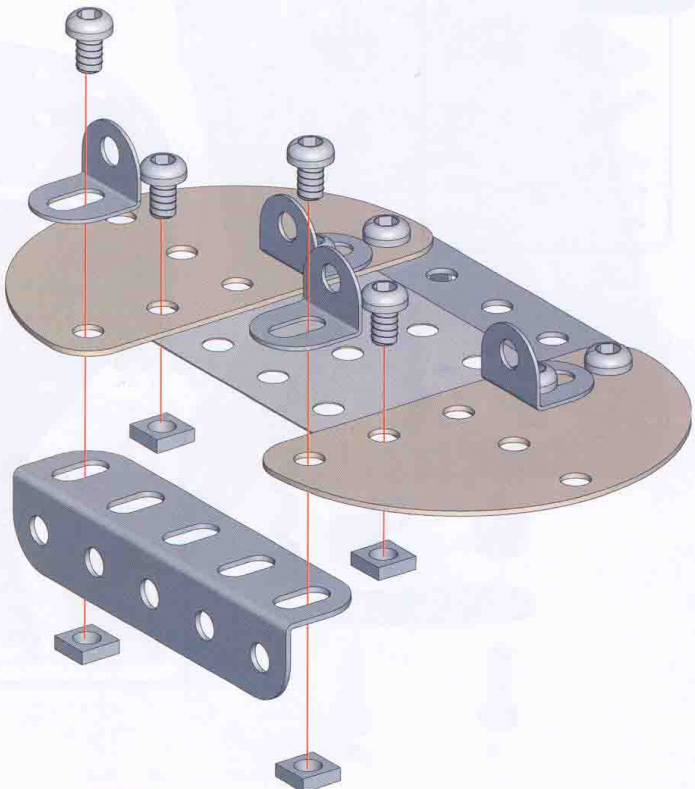
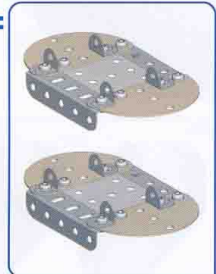
x2=



16

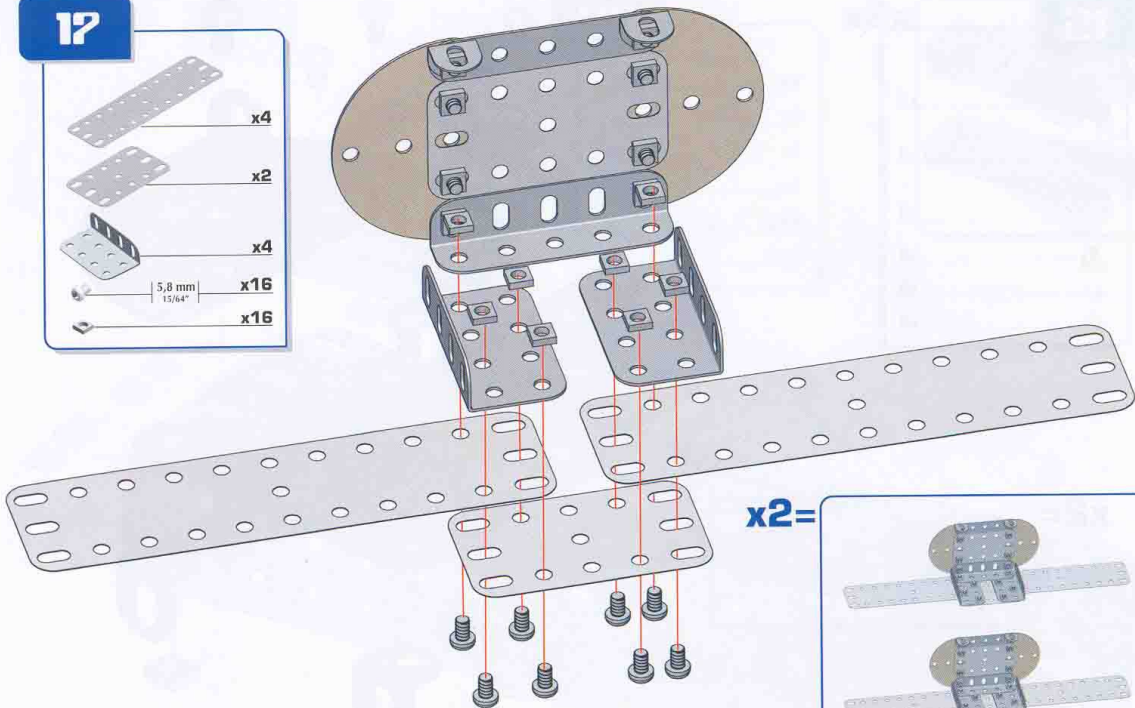
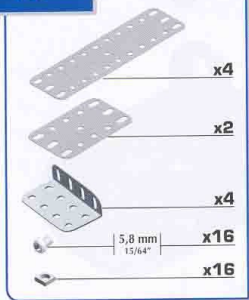
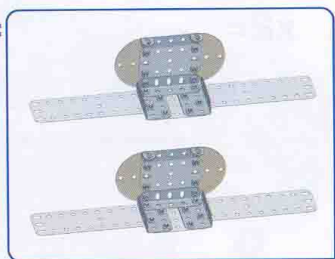
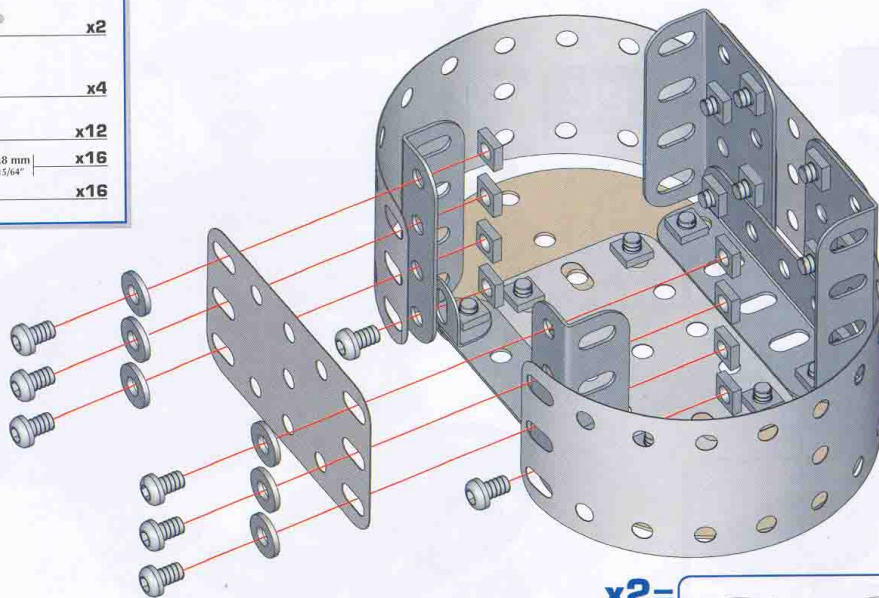
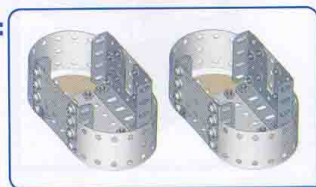
-  x2
-  x4
-  5,8 mm / 15/64" x8
-  x8

x2=








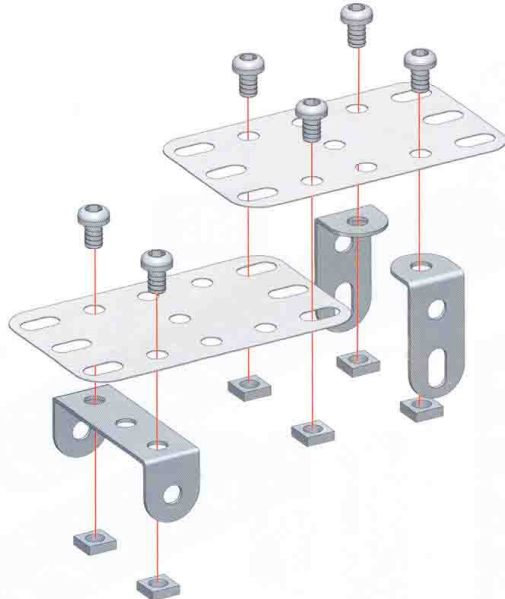
II






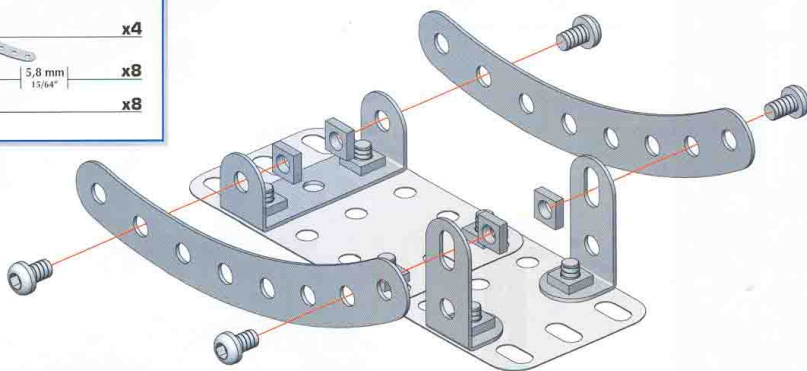
**17****x2=****18****x2=**



**19**

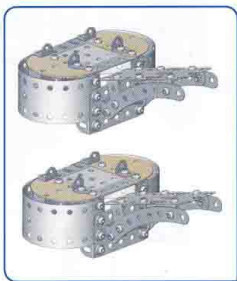
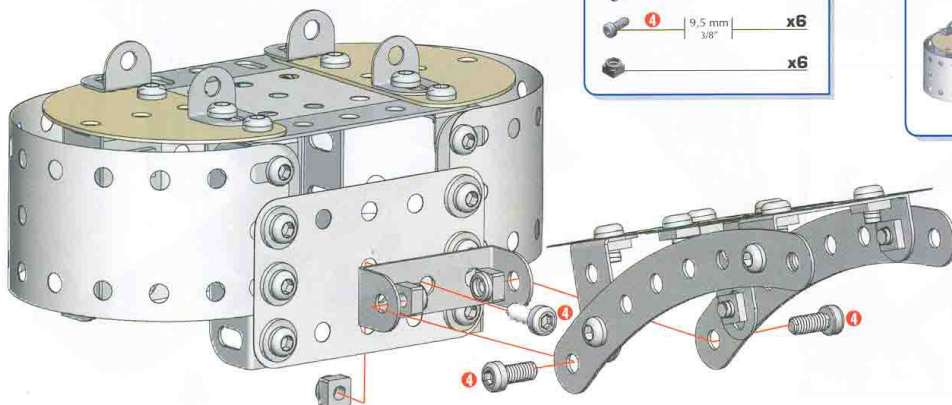
-  x4
-  x2
-  x4
-  5,8 mm | 15/64" x12
-  x12

**x2=****20****19+**

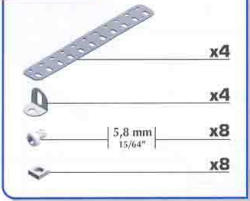
-  x4
-  5,8 mm | 15/64" x8
-  x8

**x2=****21****18+20+****x2=**

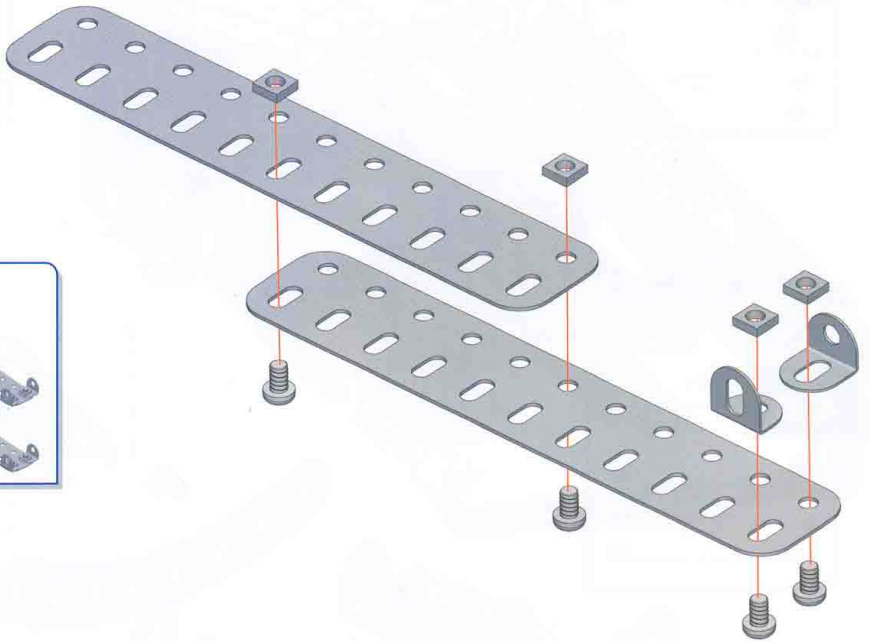
-  x2
-  9,5 mm | 3/8" x6
-  x6



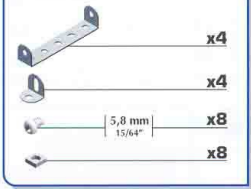
22



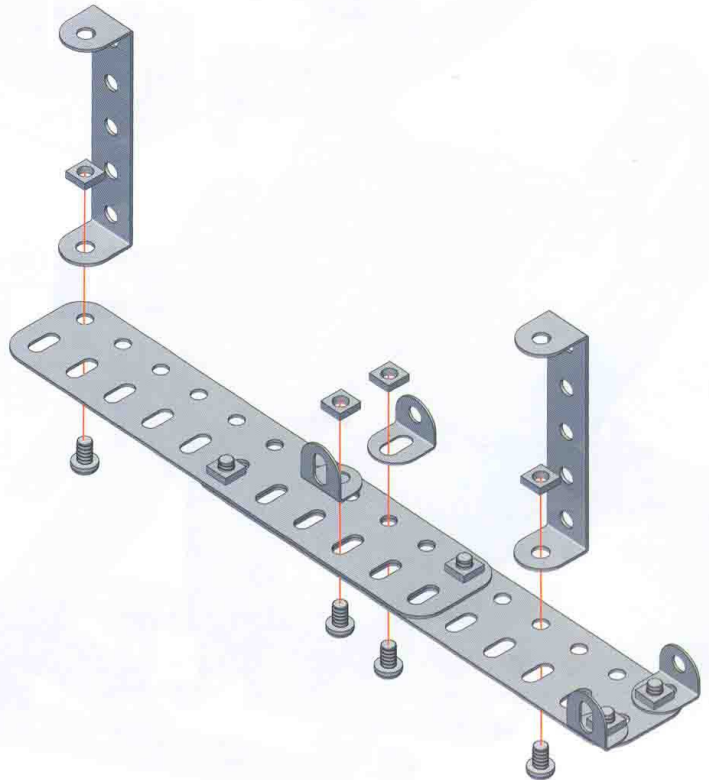
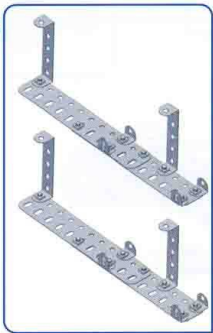
x2=



23

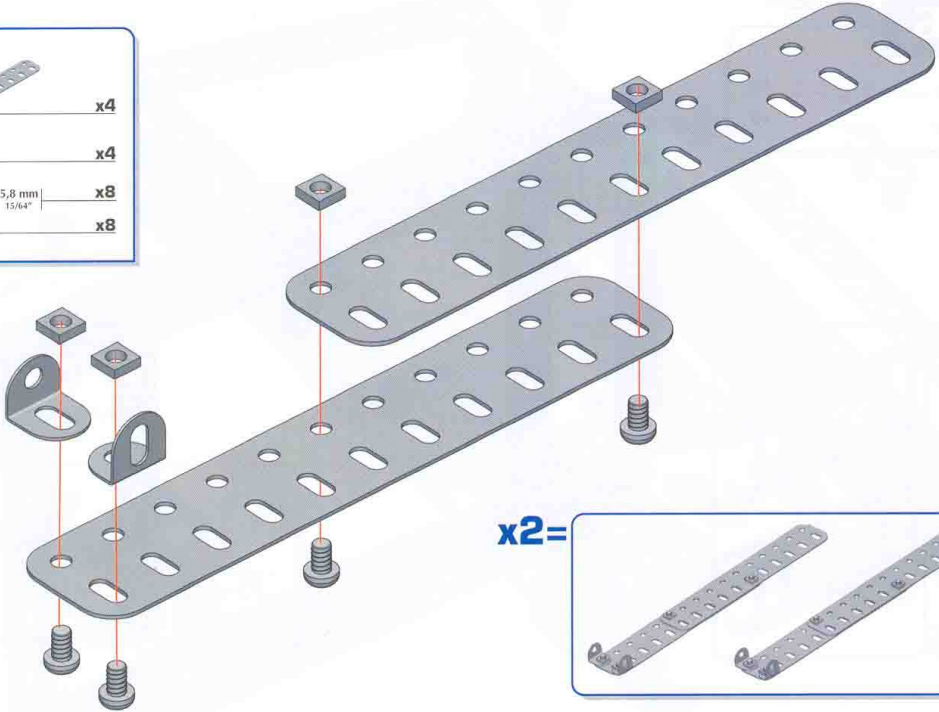
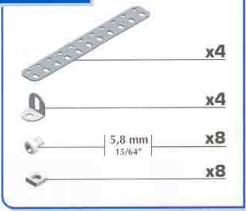


x2=

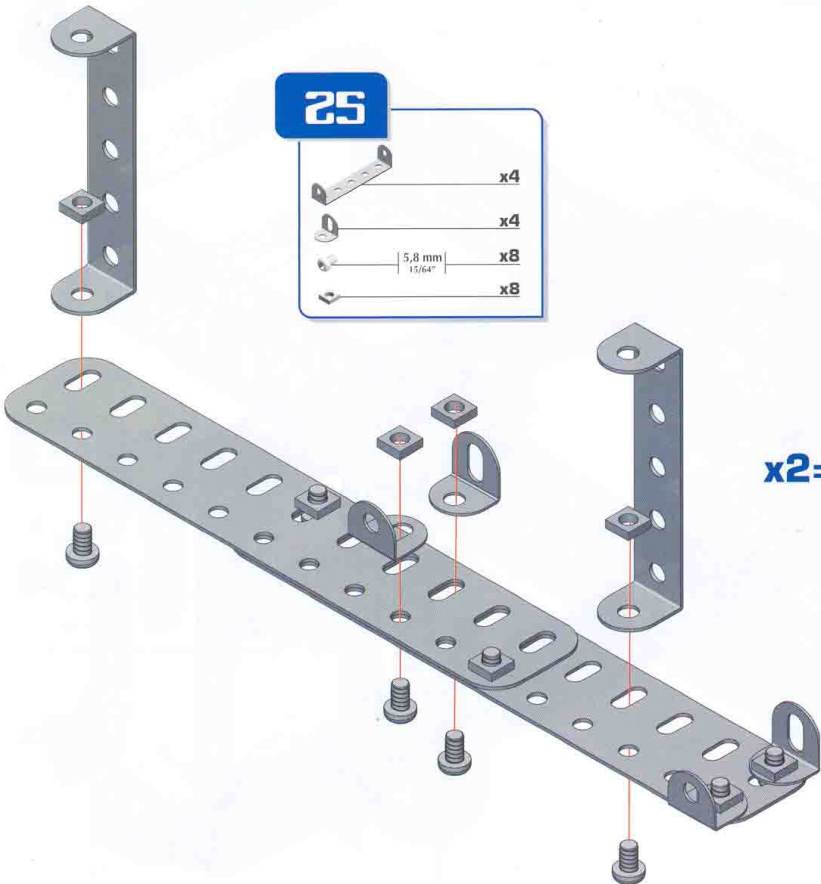
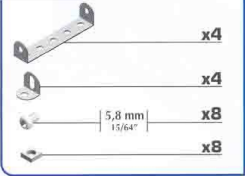




24





25

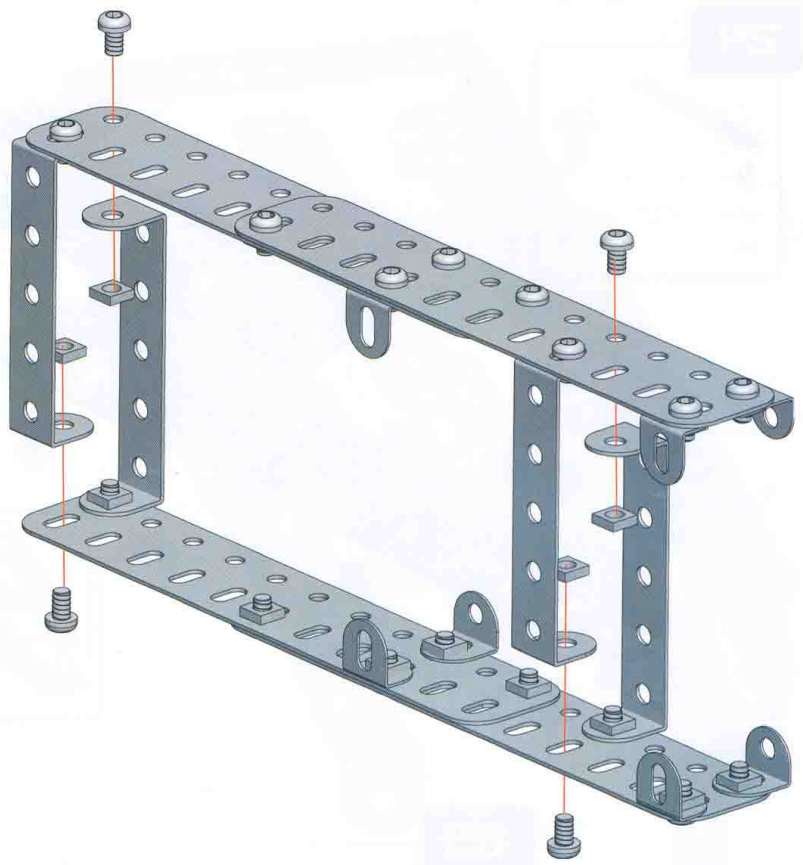


26





23+ 25+

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

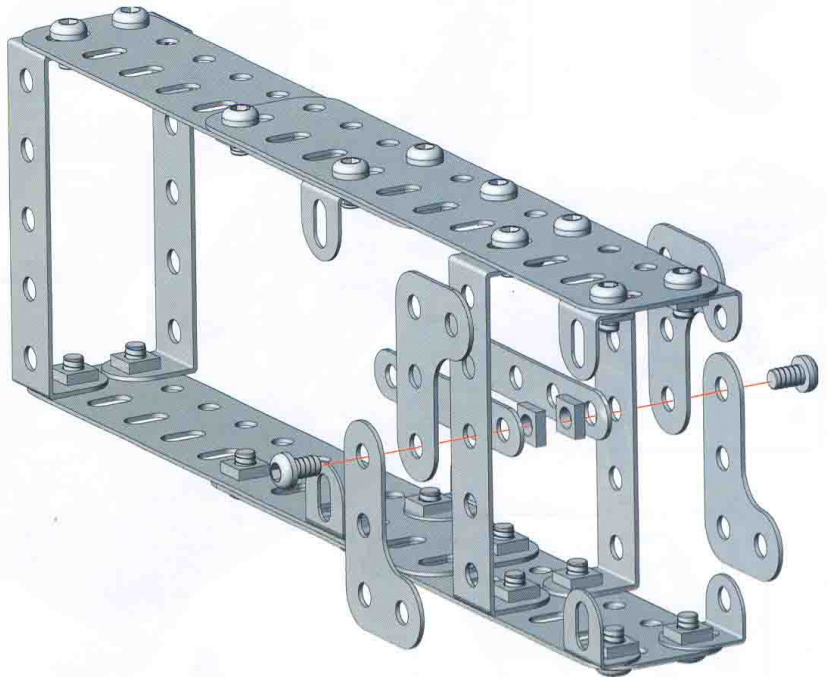
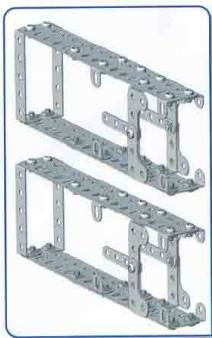
x2=



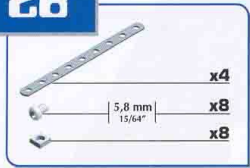
27

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

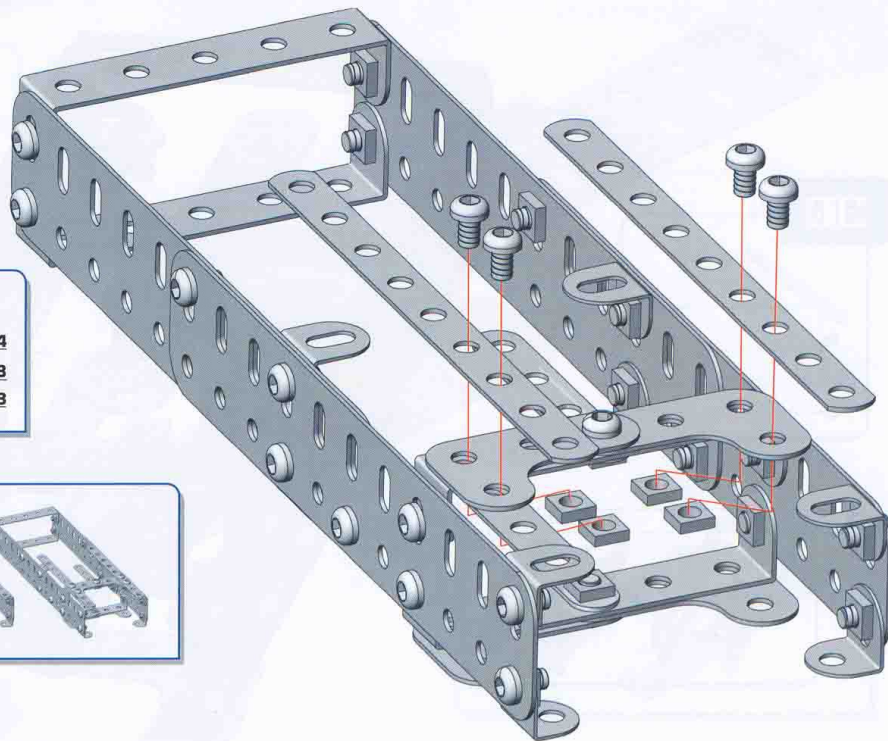
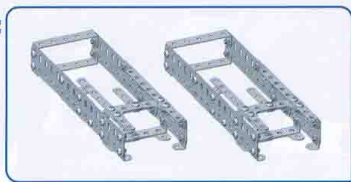
x2=



**28**



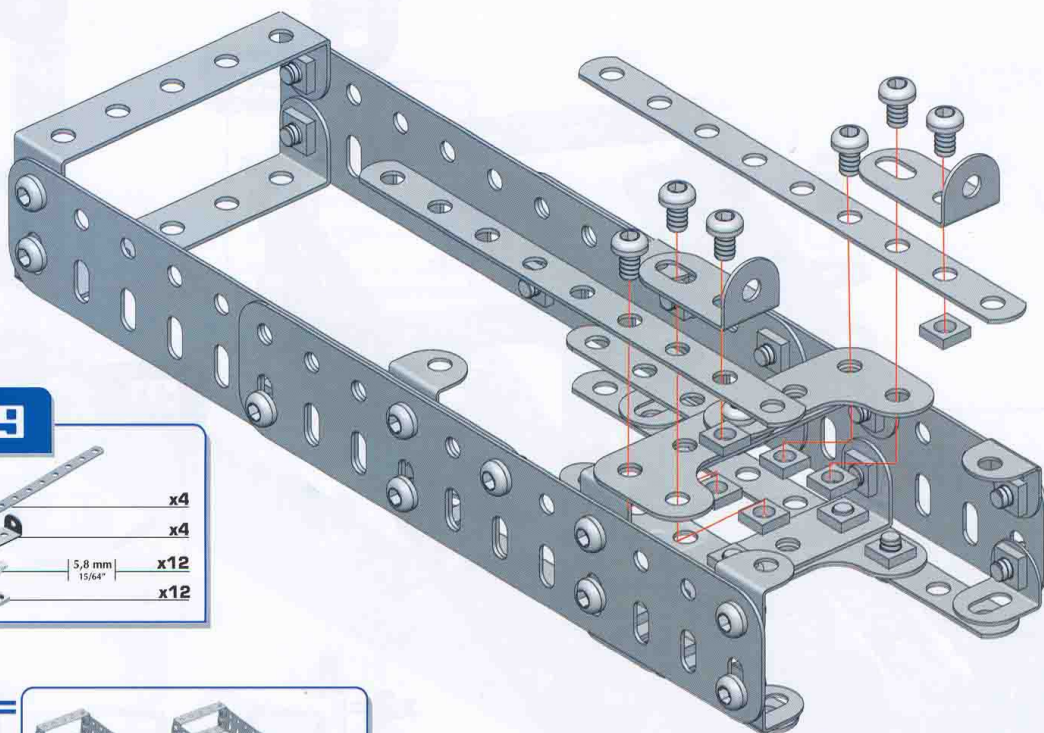
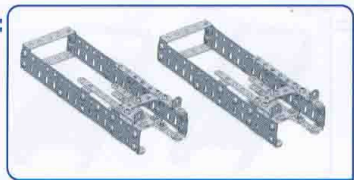
**x2=**



**29**

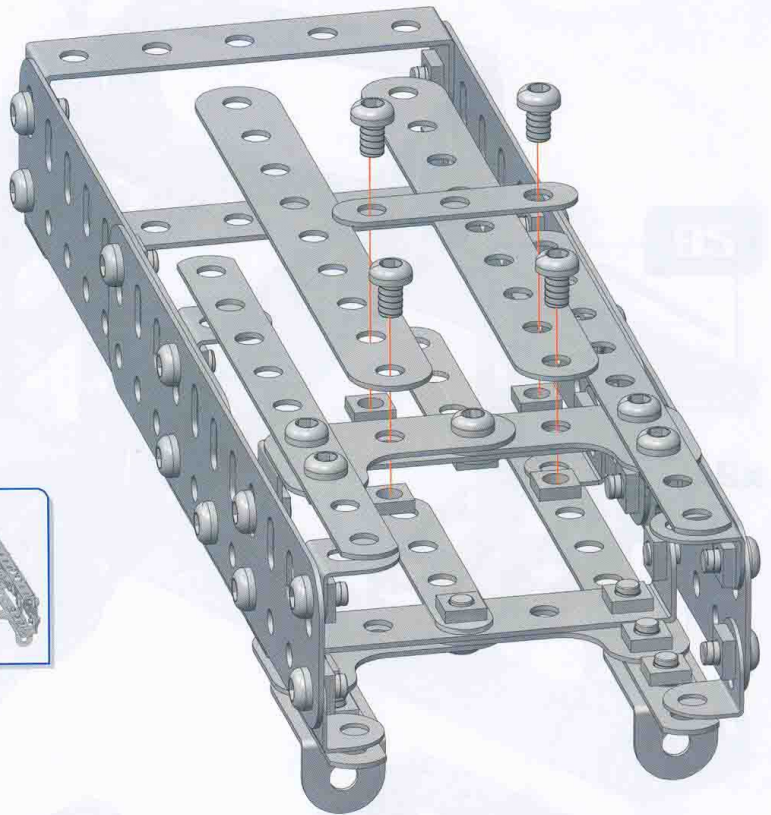
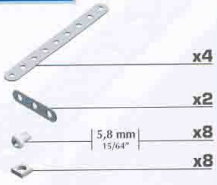


**x2=**

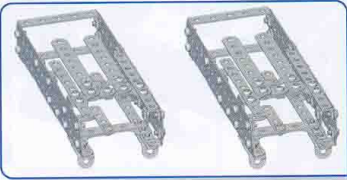




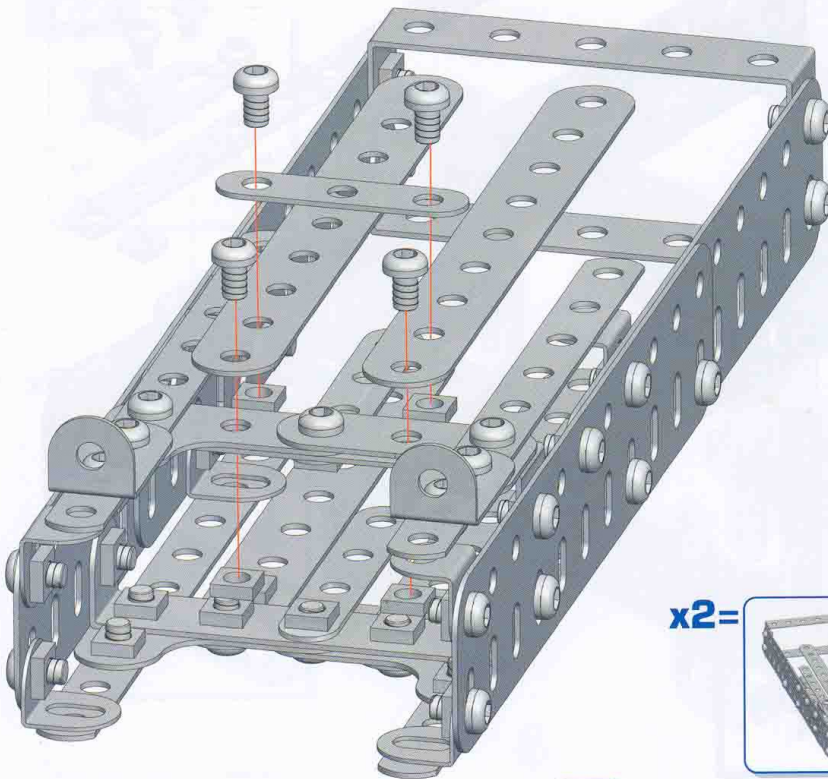
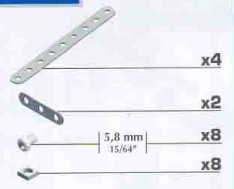
30



x2=



31



x2=



18

**32**



x4

x2=



**33**



x 2

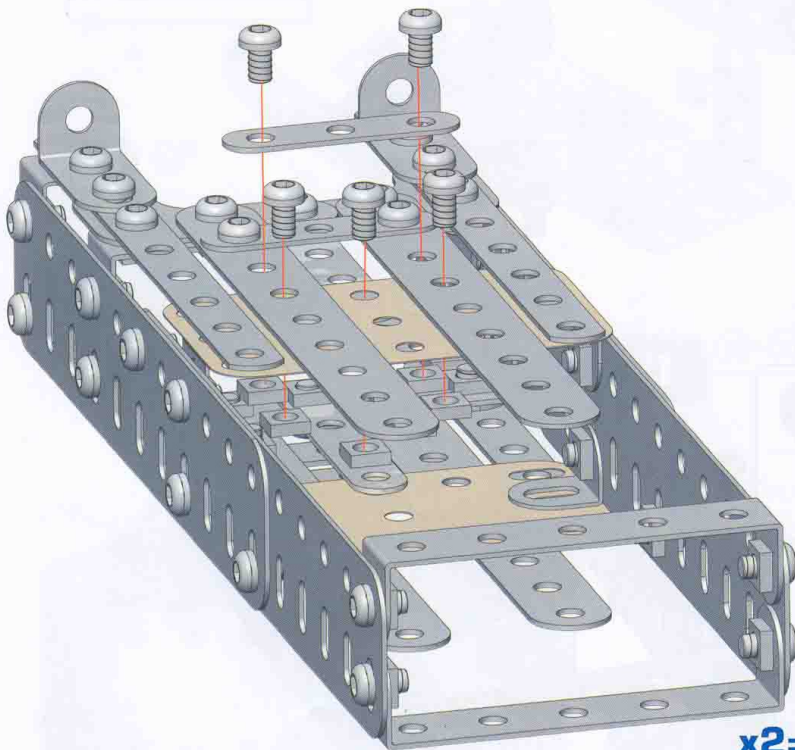


5,8 mm  
15/64"

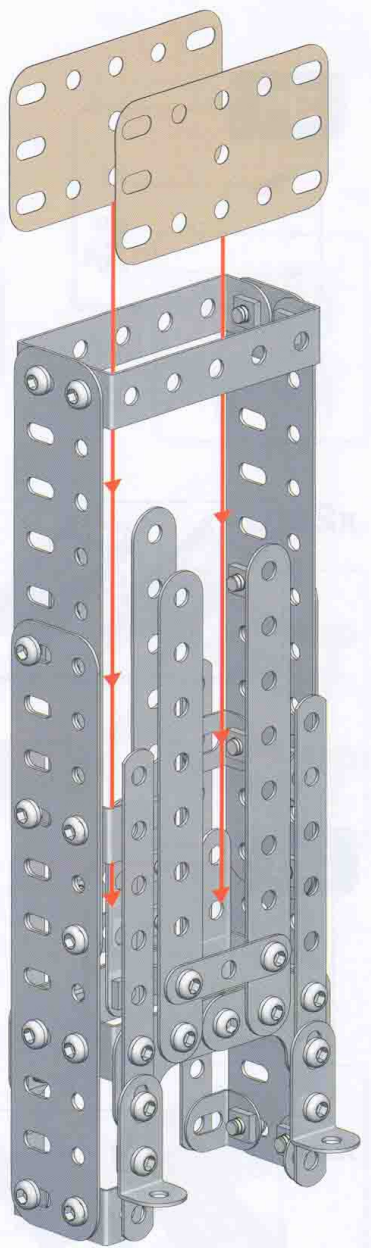
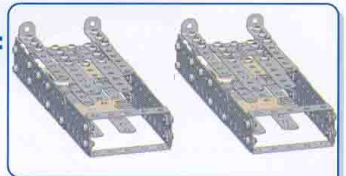
x10






x10

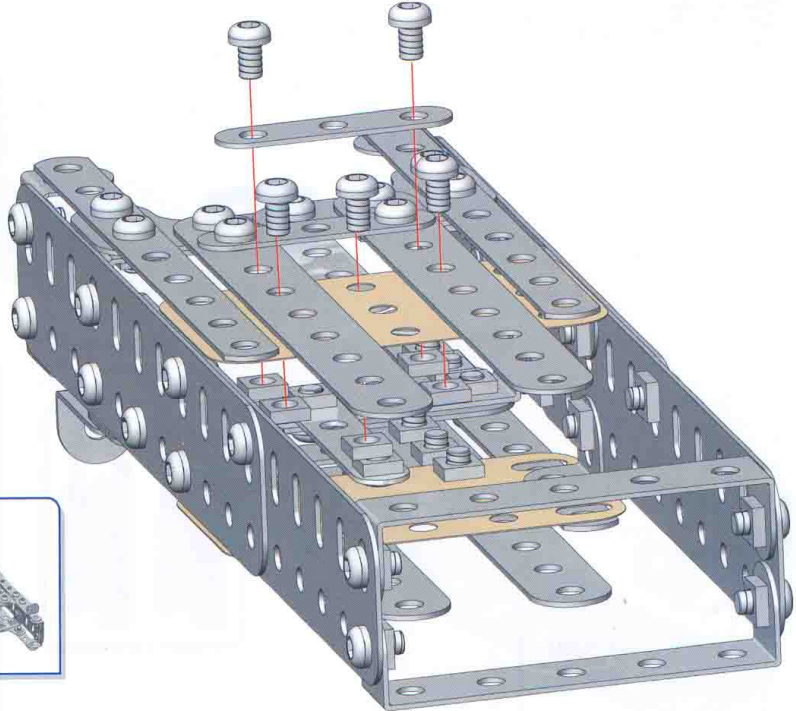


x2=

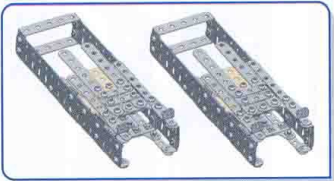


# 34



-  x 2
-  5,8 mm 15/64" x 10
-  x 10

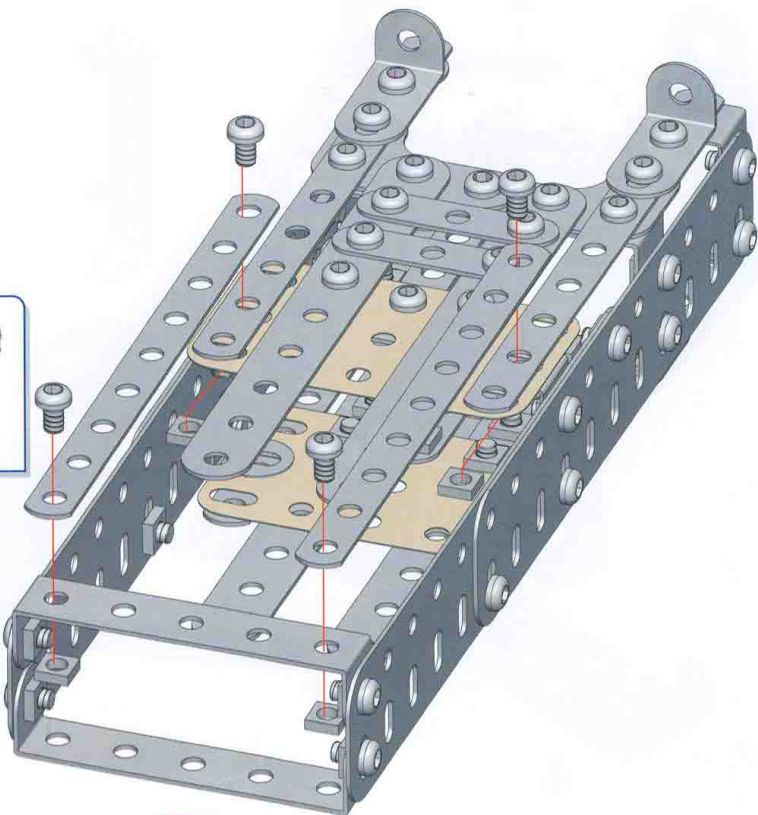


x2=



# 35

-  x 4
-  5,8 mm 15/64" x 8
-  x 8



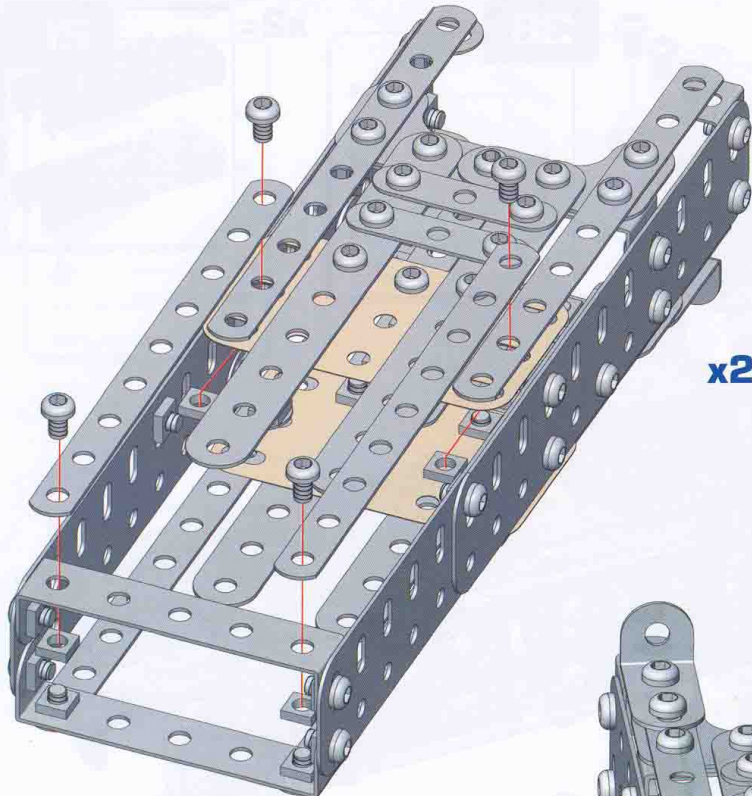
x2=





36

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

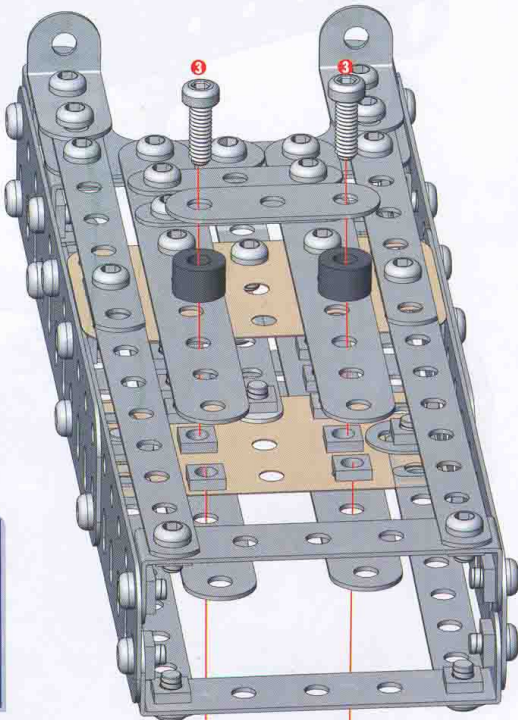


x2=

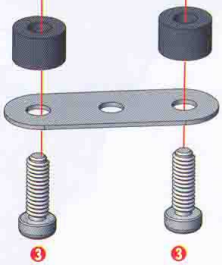
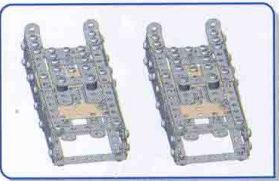


37

-  x4
-  x8
-  12 mm 1/2" x8
-  x8









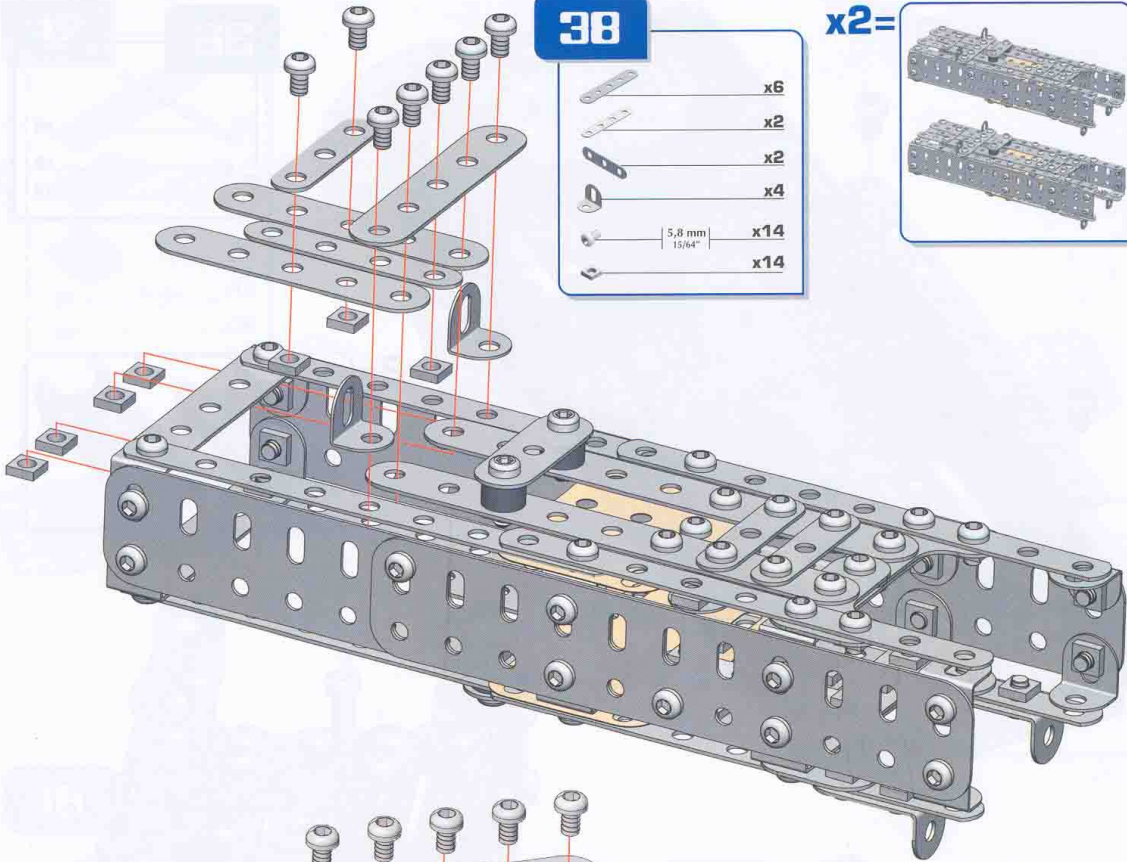
x2=








38

x2=

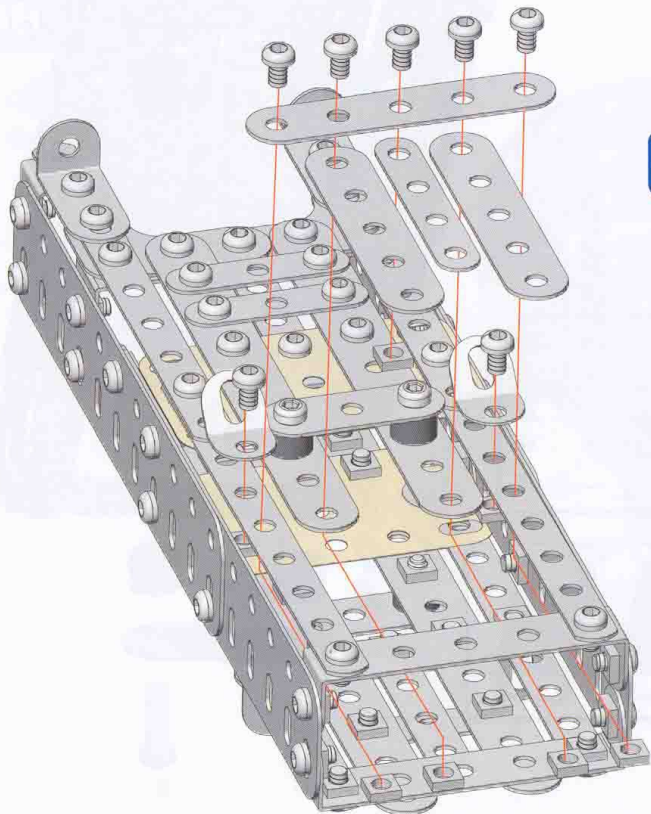
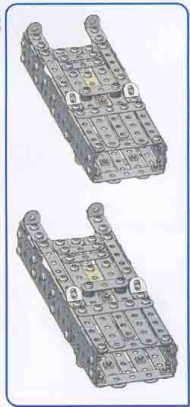
-  x6
-  x2
-  x2
-  x4
-  5,8 mm | 15/64" x14
-  x14

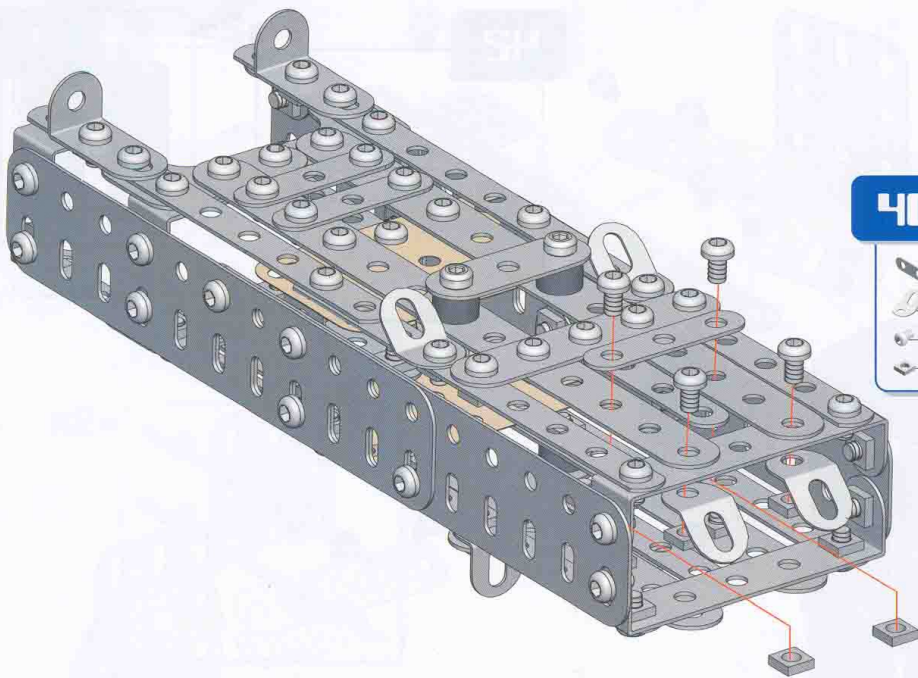


39





-  x6
-  x2
-  x4
-  5,8 mm | 15/64" x14
-  x14

x2=

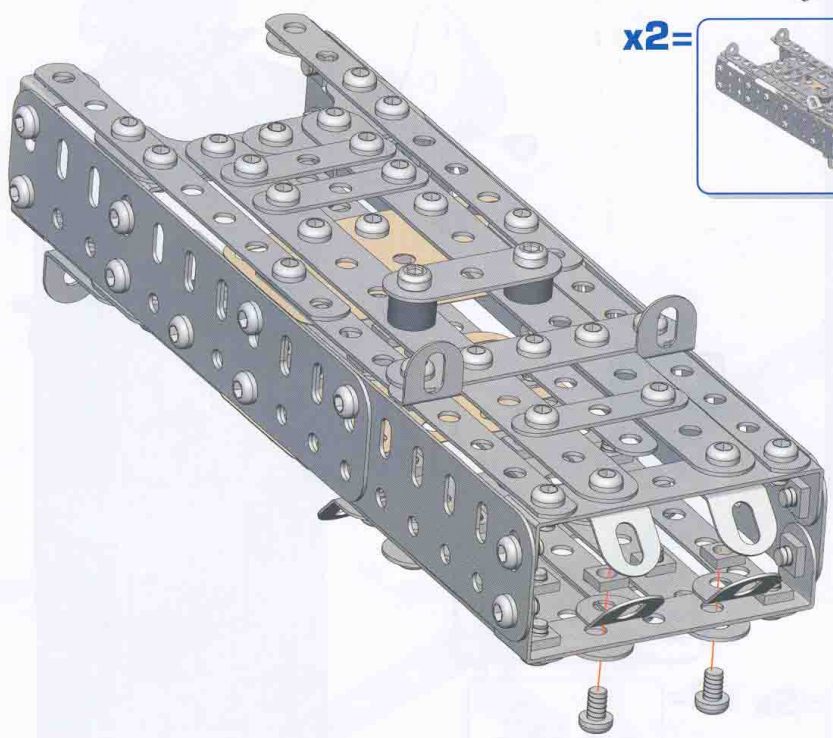
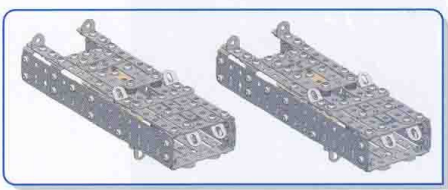







**40**

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

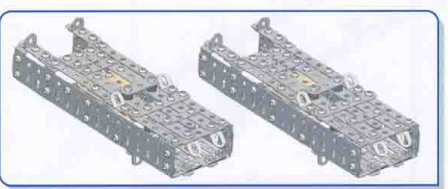
**x2=**



**41**

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

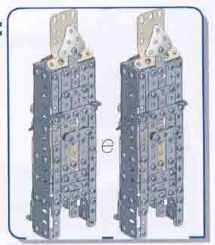
**x2=**



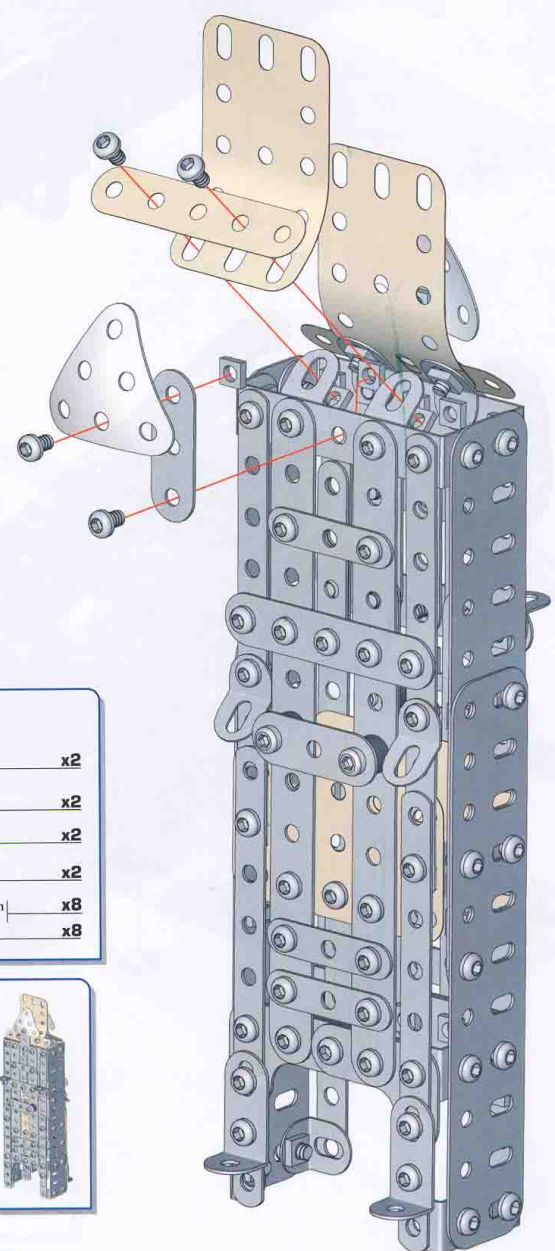
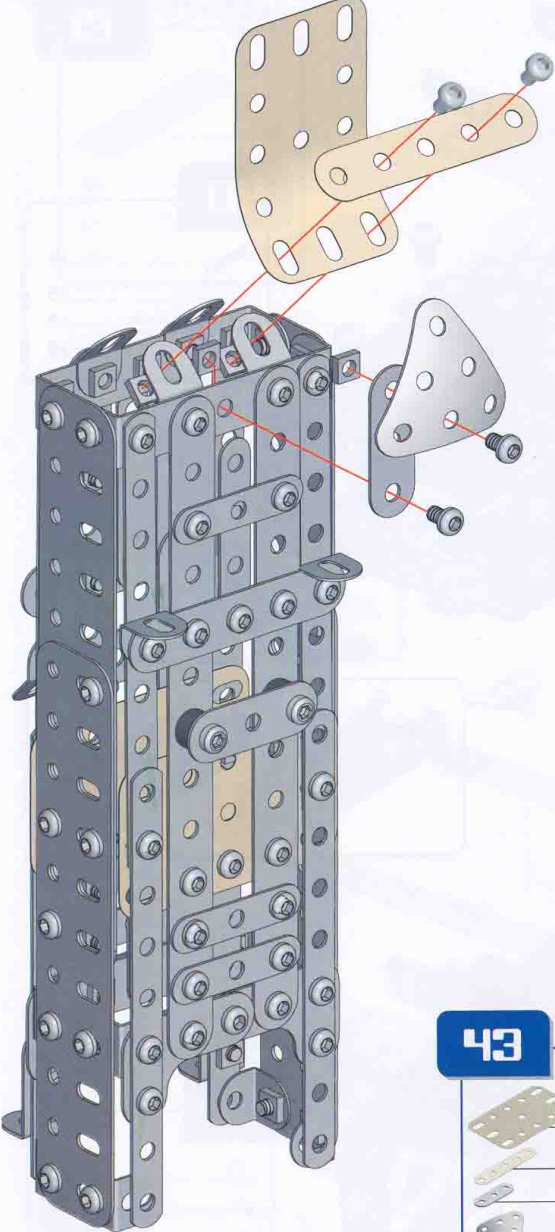


42

x2=



-  x2
-  x2
-  x2
-  x2
-  x8
-  x8



43

x2=

-  x2
-  x2
-  x2
-  x2
-  x8
-  x8



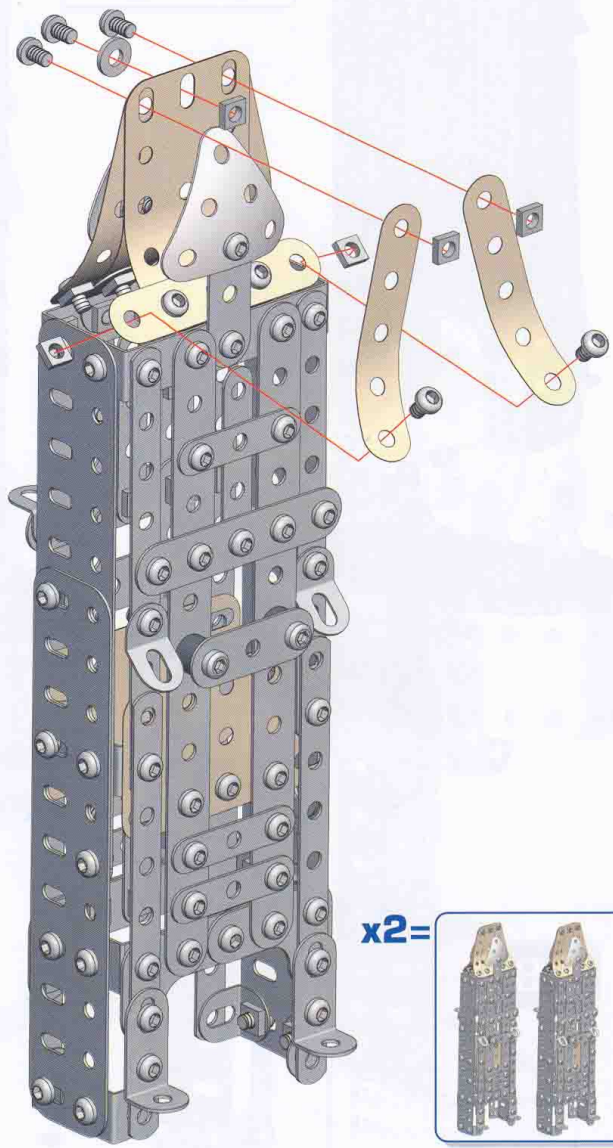
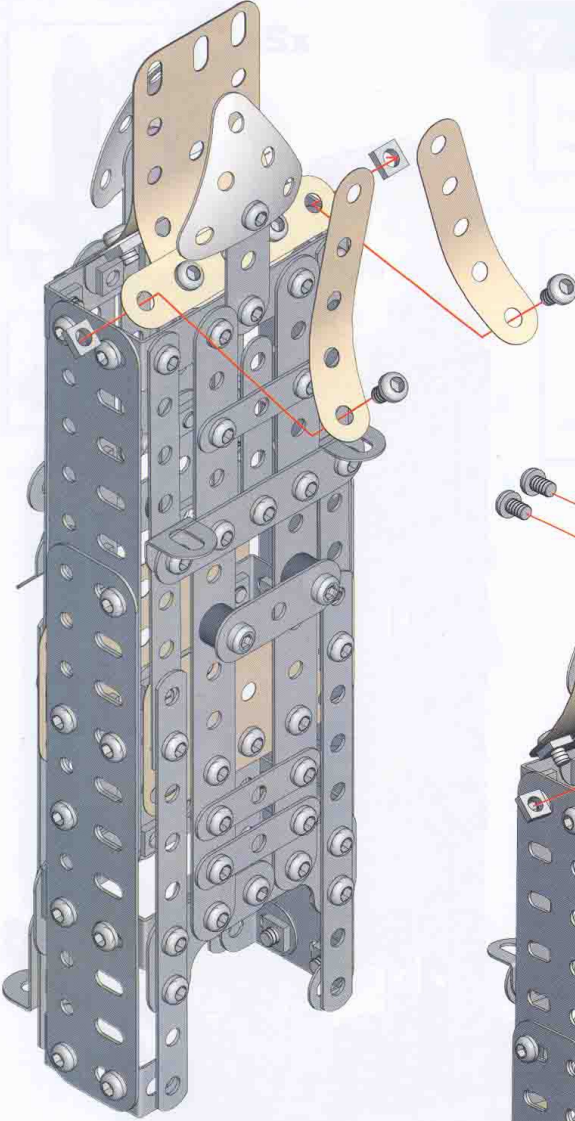
24

44

x2=







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



45

x2=



-  x4
-  x2
-  5,8 mm 15/64" x10
-  x10



**46** 21+

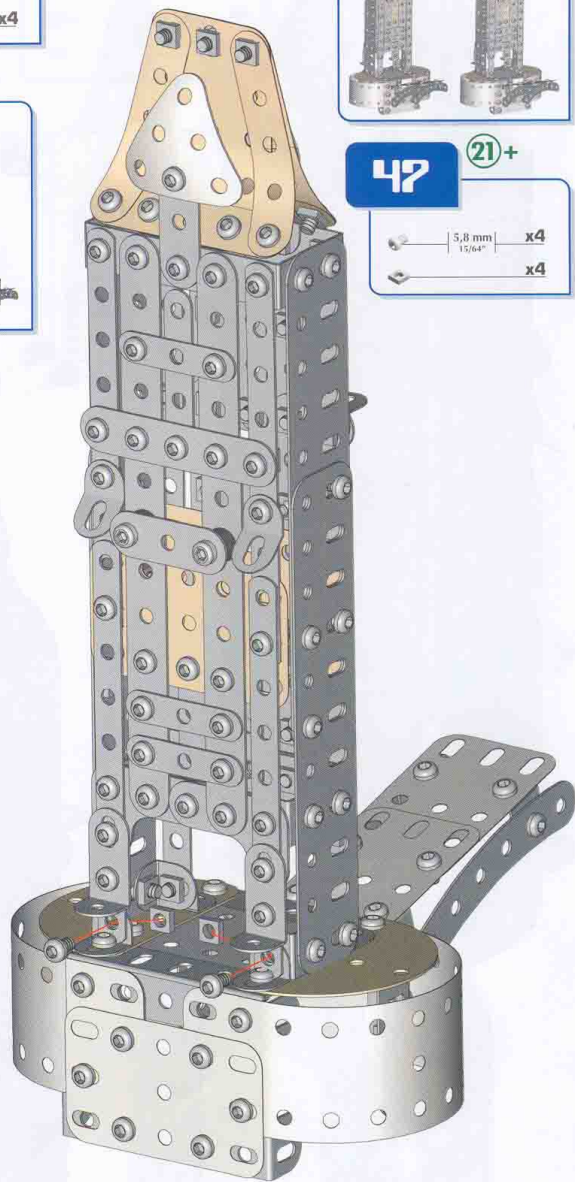
	x4
	x4

**x2=**

**x2=**

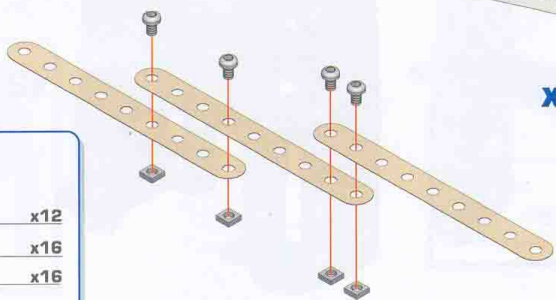
**47** 21+

	x4
	x4



**48**

	x12
	x16
	x16






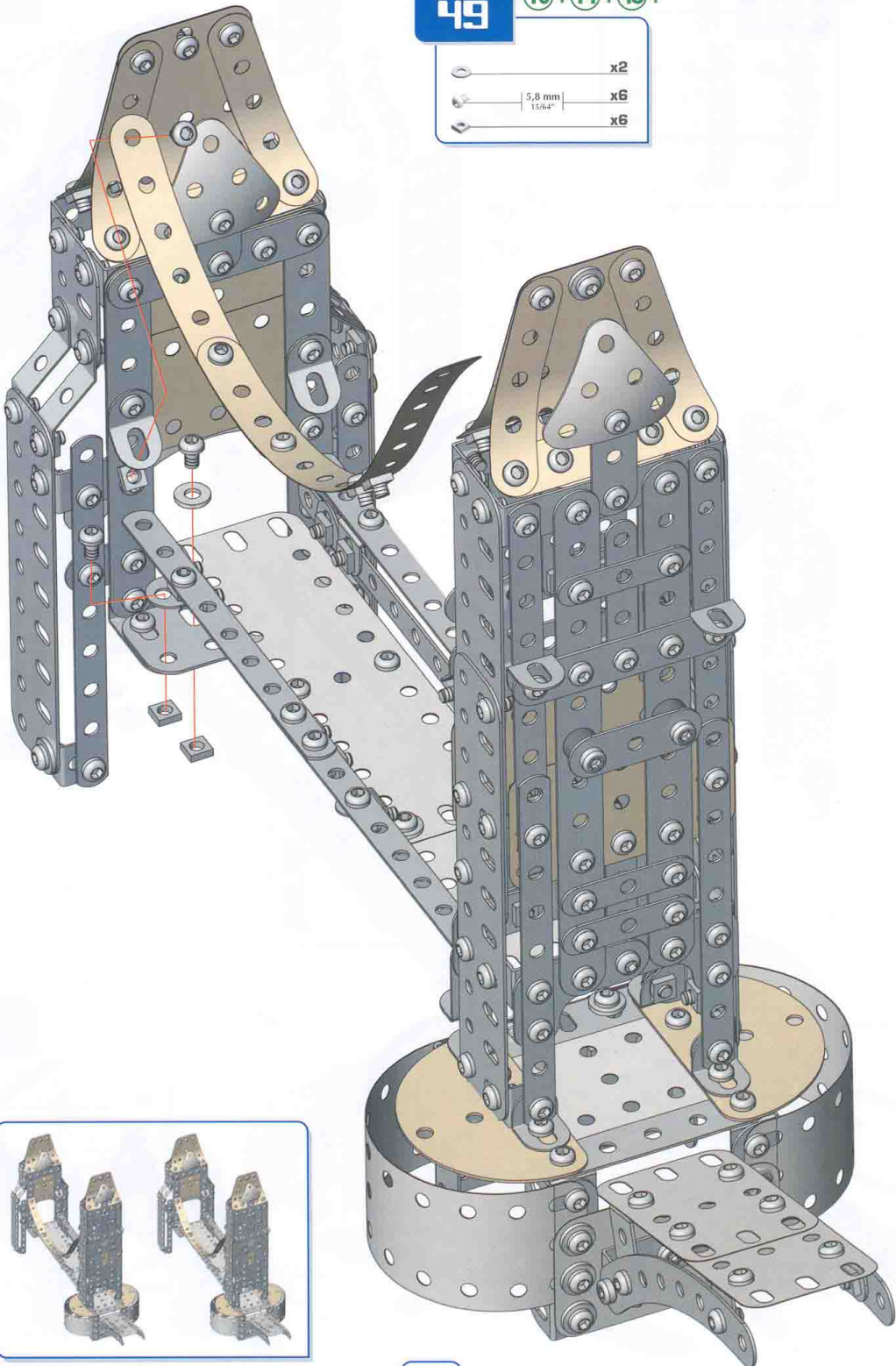
**x4=**



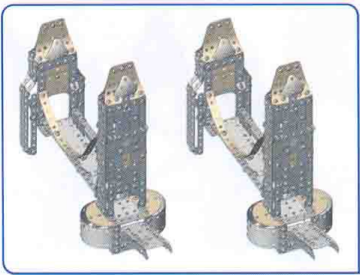
49

10+14+48+

-  x2
-  x6
-  x6






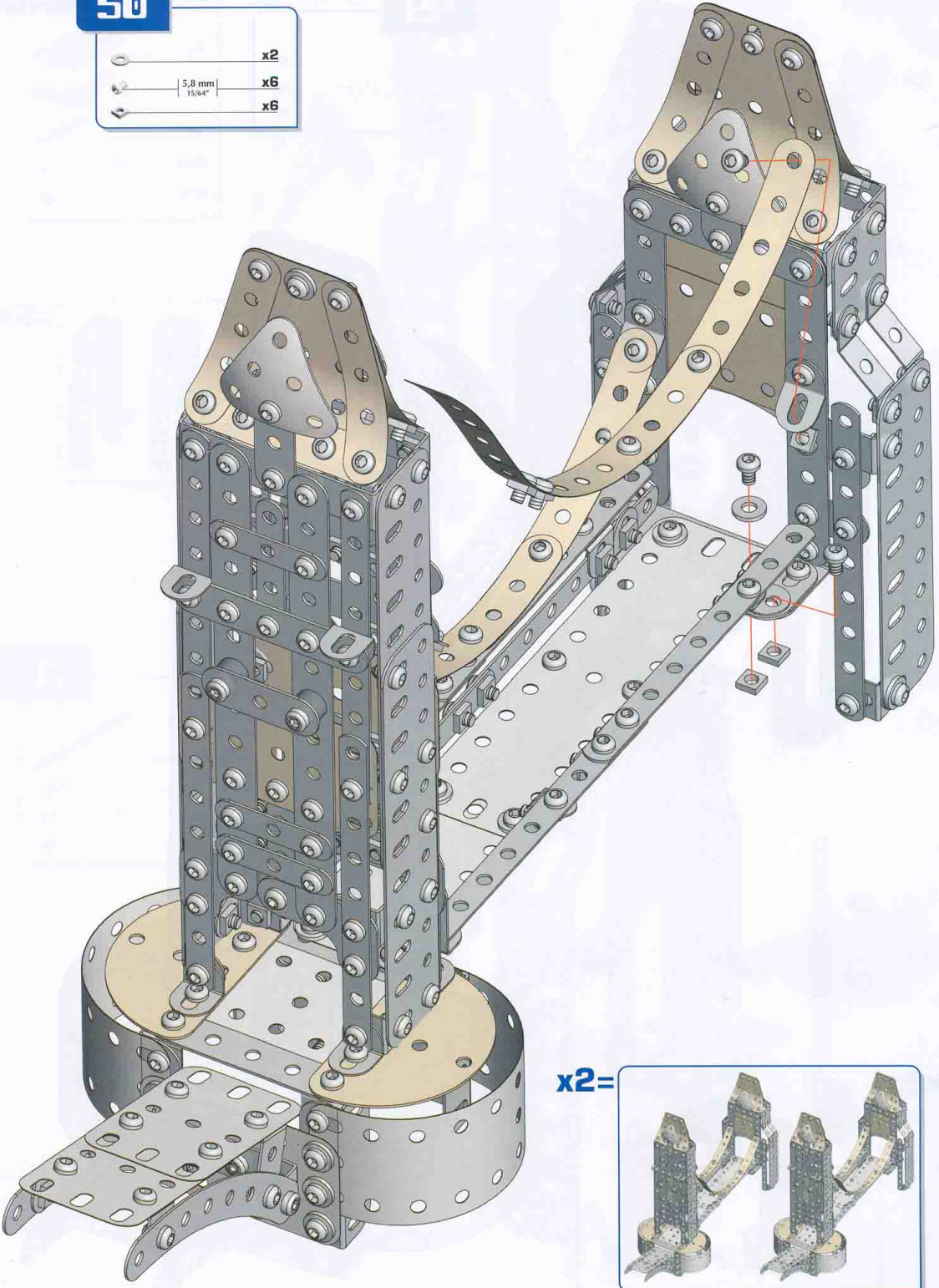
x2=



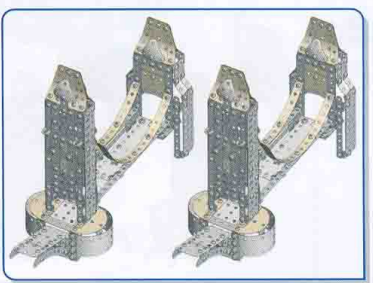
50

48+




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

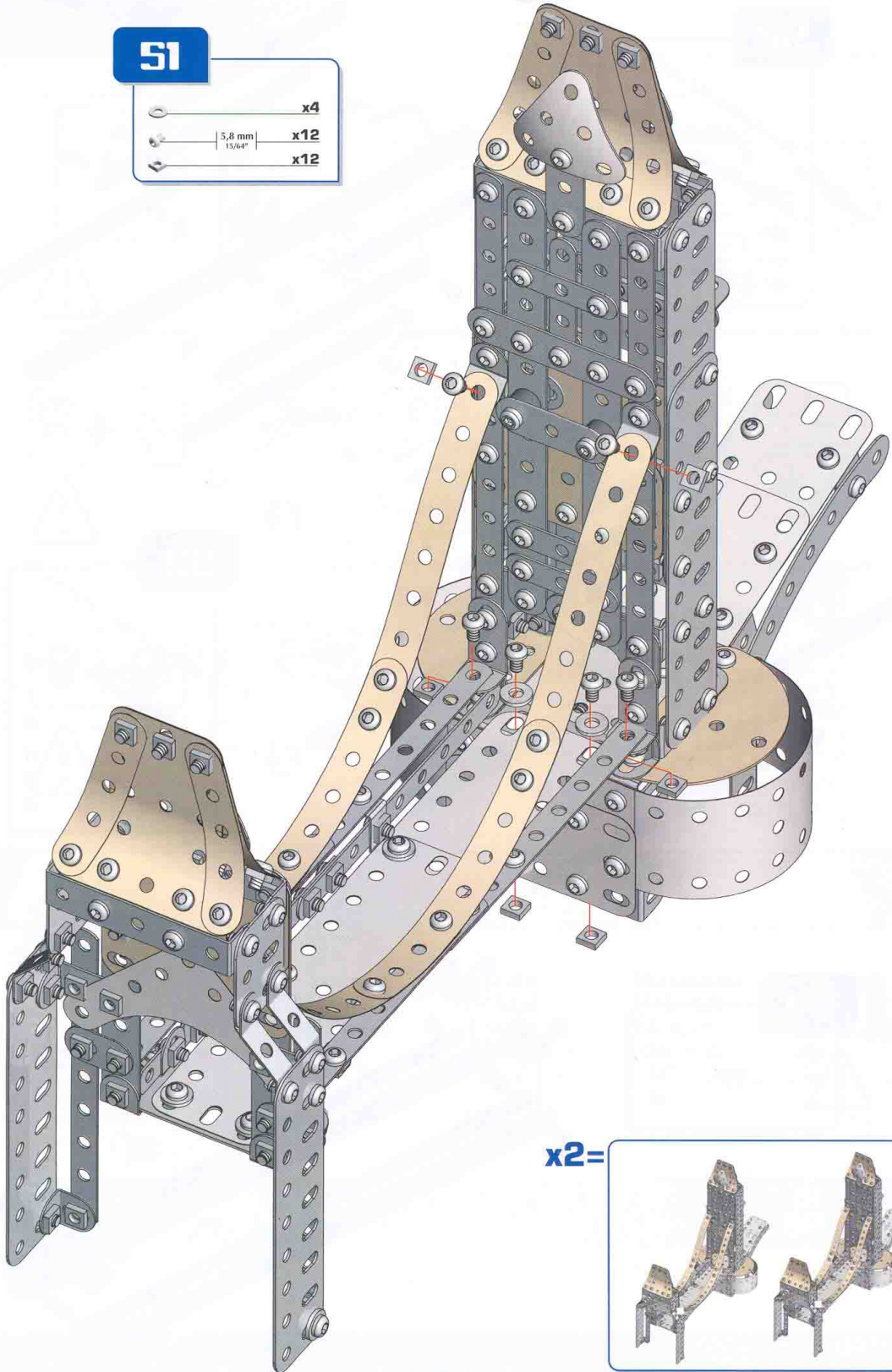


x2=

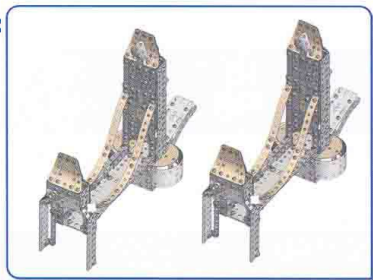


51

-  x4
-  x12
-  x12

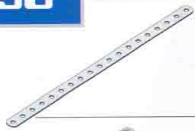






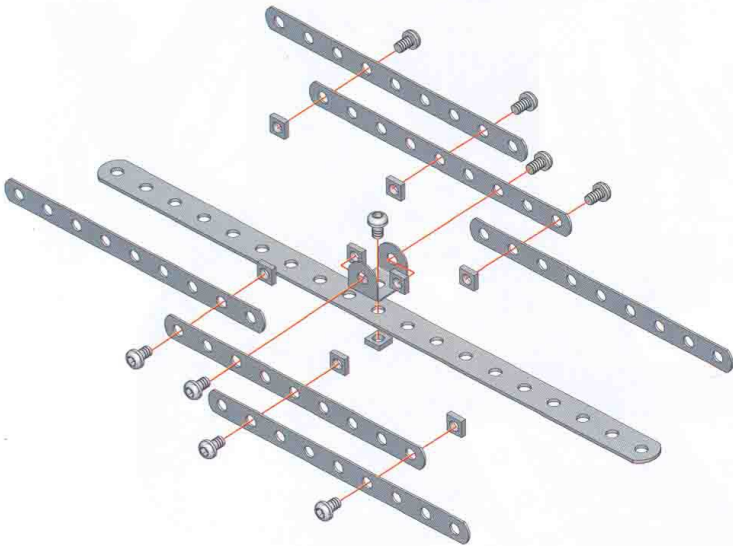
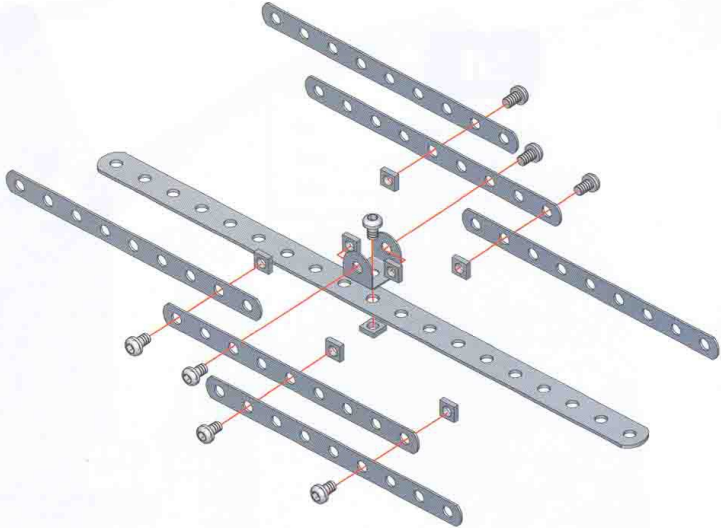
x2=



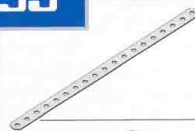






52




-  x1
-  x6
-  x1
-  x8
-  x8

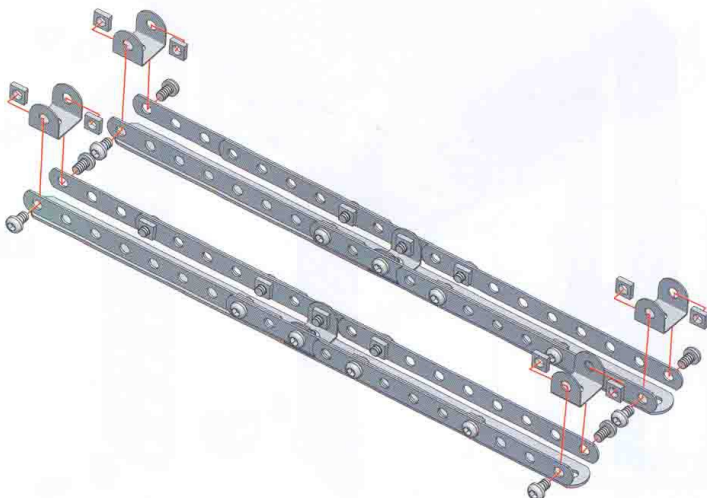


53

-  x1
-  x6
-  x1
-  x9
-  x9

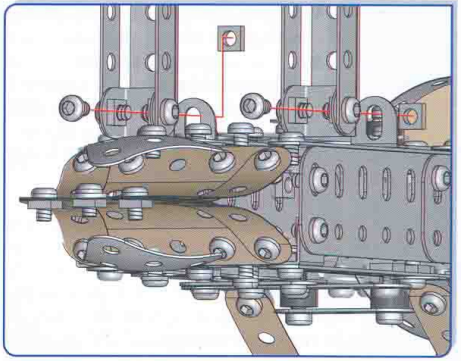
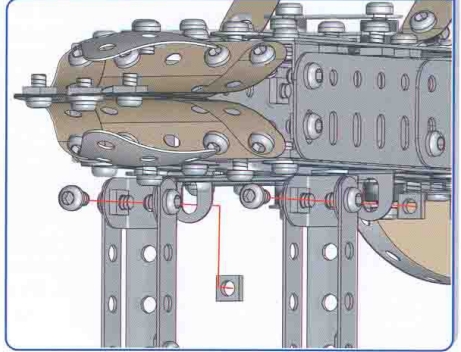
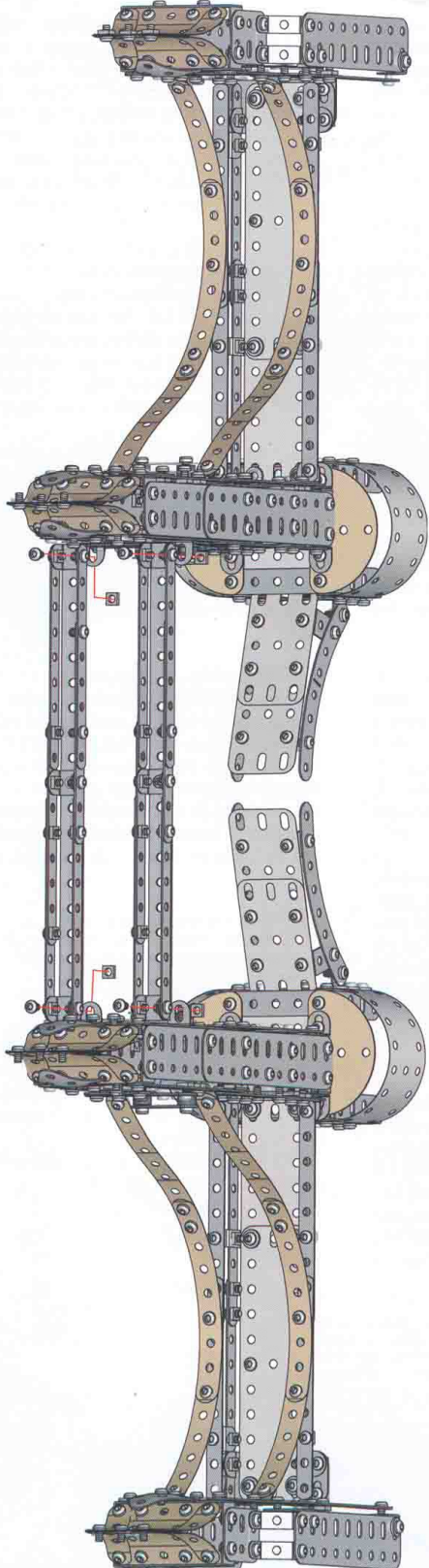
54

-  x4
-  x8
-  x8





55



**GB USA** Many of the models and component parts are unique and original designs which are the property of MECCANO S.N. They are protected by national legislation as industrial designs, trademarks and/or copyrights throughout many countries. For detailed information, please contact: MECCANO S.N. Meccano S.N. shall have no responsibility for (I) failure to follow instructions, (II) use of parts for any purpose other than as specified in the instructions (III) any alteration of any parts or components. MECCANO S.N. respects children's safety: all models are tested by children.

**F** De nombreux modèles et pièces sont des créations originales, propriétés de MECCANO S.N. et sont protégés par les législations nationales sur les dessins et modèles, marques et/ou droits d'auteurs. Pour toute information, merci de contacter : MECCANO S.N. La responsabilité de MECCANO S.N. ne saurait être engagée en cas d'accident survenu à la suite (I) du non respect des instructions de montage (II) d'une utilisation des pièces autre que celle proposée dans la notice (III) d'une altération ou de la modification des pièces. La société MECCANO respecte la sécurité des enfants : ses modèles sont testés par des enfants.

**D** Zahlreiche Modelle und Teile sind Erfindungen und Eigentum der Firma MECCANO S.N. Sie sind durch Inland-Gesetze über Zeichnungen und Modelle sowie Warenzeichen und/oder Urheberrechte geschützt. Für zusätzliche Auskünfte wenden Sie sich bitte an : MECCANO S.N. Die Firma Meccano S.N. haftet nicht für Unfälle, die aus der (I) Nichtbeachtung der Bauanleitung, der (II) Verwendung anderer als in der Bauanleitung angegebenen Teile oder der (III) Änderung oder Modifikation der Teile resultieren. Alle Modelle der Firma Meccano wurden von Kindern getestet und entsprechen den Sicherheitsnormen.

**I** Numerosi modelli e pezzi sono creazioni originali della MECCANO S.N. e sono protetti dalle legislazioni nazionali sui disegni e modelli, marche e/o diritti d'autore. Per qualsiasi informazione, vogliate prendere contatto con : MECCANO S.N. Meccano S.N. declina ogni responsabilità in caso d'incidenti sopravvenuti in seguito (I) a: non rispetto delle istruzioni di montaggio (II) utilizzo dei pezzi per funzioni diverse da quelle previste nel manuale (III) alterazione e/o modifica dei pezzi. La società MECCANO rispetta la sicurezza dei bambini : i suoi modelli vengono testati dai bambini stessi.

**E** Numerosos modelos y piezas son creaciones originales, propiedades de MECCANO S.N. y están protegidos por las legislaciones nacionales en lo que concierne a los dibujos y modelos, marcas y/o derechos de autor. Para cualquier información, sírvase ponerse en contacto con : MECCANO S.N. MECCANO S.N. carece de responsabilidad en caso de accidente debido a: (I) el incumplimiento de las instrucciones de montaje (II) una utilización de las piezas diferente a la que se indica en las instrucciones (III) una alteración o modificación de las piezas. La sociedad MECCANO respeta la seguridad de los niños : sus modelos están probados por niños.

**P** Vários modelos e peças são criações originais, propriedades da MECCANO S.N. e são protegidos pelas legislações nacionais relativas aos desenhos e modelos, às marcas e/ou aos direitos de autor. Para qualquer informação, é favor contactar : MECCANO S.N. A Sociedade MECCANO S.N. não poderá ser responsabilizada pelos acidentes provocados: (I) pela falta de cumprimento das instruções de montagem (II) pelo uso indevido das peças ou (III) pela modificação ou alteração das peças. A Sociedade MECCANO respeita a segurança das crianças : os seus modelos foram testados por crianças.

**S** Många modeller och delar bildar en unik och originell formgivning vilken är MECCANO S.N. egendom. Dessa modeller och delar är skyddade genom lagstiftning såsom industriell formgivning, varumärke och/eller upphovsmanntät i ett flertal länder. För mer detaljerad information, var vänlig och kontakta MECCANO S.N. MECCANO S.N. frångår sig allt ansvar i händelse av olycka till följd av (I) att monteringsinstruktionerna inte har respekterats (II) en annan användning av delarna än den som står i anvisningen (III) en förvanskning eller förändring av delarna. Företaget MECCANO respekterar barnsäkerheten : modellerna har testats av barn.

**FIN** Useat mallit ja osat ovat MECCANO S.N.:n omaisuutta olevaa alkuperäistä suunnittelua. Ne ovat kansallisilla lailla suojattua teollista tuotantoa, tavaramerkkejä ja/tai kopiointioikeuksia. Pyydämme ottamaan yhteyden MECCANO S.N.:han kaikissa asiaan liittyvissä kysymyksissä. MECCANO S.N. ei vastaa eikä kata seuraavista syistä sattuneita onnettomuuksia: (I) ohjeiden vastainen kokoaminen, (II) muiden kuin ohjeissa ehdotettujen osien käyttö, (III) osien muuntelu tai eri tarkoituksien käyttö. MECCANO-yhtiö huolehtii lasten turvallisuudesta: lapset ovat testanneet mallimme.

**DK** Vore mange modeller og dele er originale fremstillinger og ejes af MECCANO S.N. Tegninger, modeller, fabrikmærker og ophavsret er lovbeskyttede i hvert land. Yderligere oplysninger kan fås hos: MECCANO S.N. MECCANO S.N. fransiger sig ethvert ansvar, såfremt der er sket uheld forårsaget af (I) at monteringsinstruktionerne ikke er blevet overholdt, (II) at delene er blevet brugt til andre formål, end dem der er beskrevet i betjeningsvejledningen, (III) eller at delene er blevet beskadiget eller ændret. MECCANO overholder sikkerhedsreglerne for børn: Alle modeller testes af børn.

**NL** Veel modellen en onderdelen zijn originele ontwerpen en eigendom van MECCANO S.N. en worden beschermd door de nationale wetgevingen op tekening en modellen, merken en/of auteursrechten. Voor informatie gelieve contact op te nemen met MECCANO S.N. De verantwoordelijkheid van MECCANO S.N. is uitgesloten in geval van ongevallen voortkomend uit het niet naleven van de montage-instructies (I), uit het gebruik van andere onderdelen dan die zoals vermeld in de handleiding (II) of uit het veranderen of modificeren van de onderdelen (III). De firma MECCANO neemt de veiligheid van de kinderen in acht : de modellen zijn door kinderen getest.

**GR** Πολλά μοντέλα και ανταλλακτικά είναι αυθεντικά, ιδιοκτησία της MECCANO S.N. και προστατεύονται από τις εθνικές νομοθεσίες για τα μοντέλα της μάρκας ή τα διπλώματα ευρεσιτεχνίας. Για κάθε πληροφορία παρακαλώ απευθυνθείτε στη MECCANO S.N. Η ευθύνη της MECCANO S.N. δεν δεσμεύεται σε περίπτωση ατυχημάτων που έγινε συνέχεια (I) μη σεβασμού των οδηγιών συναρμολόγησης (II) χρήσης των τμημάτων διαφορετικά από αυτήν που προτείνεται στις οδηγίες (III) καταστροφής ή αλλαγής των τμημάτων. Η εταιρεία MECCANO οφείλει την ασφάλεια των παιδιών: τα μοντέλα της δοκιμάζονται από παιδιά.

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

Made in China for:  
Fabriqué en Chine pour :  
Fabricado en China por :

**MECCANO**

363, avenue de Saint Exupéry  
62100 Calais - France  
<http://www.meccano.com>  
© 03/2004 MECCANO S.N.

® MECCANO and ERECTOR are exclusive trademarks of MECCANO S.N.  
All rights reserved