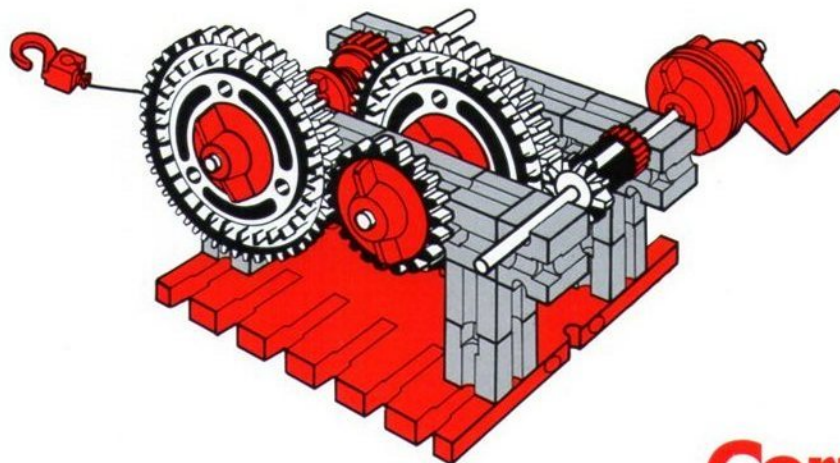
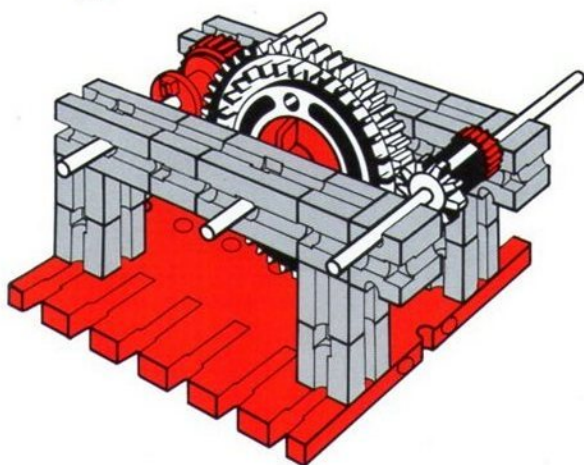
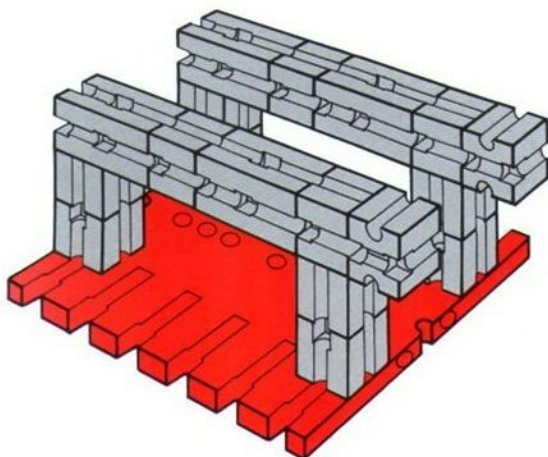


Technische Modelle Schritt für Schritt



fischertechnik

Bild-Bauanleitung
zu den fischertechnik
Lernbaukästen

Technical Models
Step by Step

Maquettes techniques
Etape par Etape

Cornelsen
Experimenta

Technische Modelle Schritt für Schritt

Technical Models Step by Step

Maquettes techniques Etape par Etape

CVK-fischertechnik Schulprogramm

Bild-Bauanleitung zu den Lernbaukästen

u-t 1	Grundbaukasten	Bestellnummer 60 004
u-t 2	Motor und Getriebe	Bestellnummer 60 012
u-t 3/1	Elektrotechnik	Bestellnummer 60 039
u-t S	Statik	Bestellnummer 60 063

Erarbeitet von

Gerhard Ruckwied, Wiesloch-Baiertal,
in Zusammenarbeit mit den Entwicklungsabteilungen
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Bild-Bauanleitung

zu den fischertechnik Lernbaukästen

Eine Auswahl von Modellen zeigt die Einsatzmöglichkeiten der einzelnen Bauelemente aus den folgenden Lernbaukästen:

- u-t 1 „Grundbaukasten“
- u-t 2 „Motor und Getriebe“
- u-t 3/1 „Elektrotechnik“
- u-t S „Statik“

Für jedes Modell wird in der Kopfzeile angegeben, welche Baukästen benötigt werden und in welcher Zeit der Auf- und Abbau – einschließlich Einräumen der Bauelemente – erfolgen kann. Die Zeiten können je nach Erfahrung im Umgang mit den Bauelementen variieren.

Die Zeichnungen zeigen das schrittweise Entstehen der Modelle, wobei die jeweils neu hinzukommenden Bauteile zur besseren Übersicht farbig unterlegt sind. Außerdem sind alle für eine Baustufe benötigten Teile mit Angabe der Stückzahl abgebildet.

In roten Linienrahmen werden zusätzliche Hinweise für das Zusammenfügen bestimmter Bauelemente gegeben. Grundsätzliche Hinweise für die Handhabung der Bauteile finden Sie in den blauen Heften, die den Baukästen beigelegt sind.

Bitte achten Sie beim Bau der Modelle besonders auf die unterschiedlichen Zapfen, Nuten und Einschnitte der Bauelemente sowie auf ihre Lage innerhalb des gesamten Aufbaus.

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	10 Zahnstangenwinde	29
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	15 Abschleppfahrzeug	43
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u-t 2	17 Ventilator mit Motor	52
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	20 Schlagschere	61
	21 Plattenwagen mit Motor	63
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	24 Stanzmaschine	71
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	26 Schaltgetriebe	77
	27 Schaltgetriebe mit Vorwärts- und Rückwärtsgang	81
u-t 3/1	28 Motorsteuerung mit Relais	85
	29 Bimetallschalter	88
	30 Programmschalter für Lichtsignale	92
	31 Reedkontaktschalter	96
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	33 Bügelsäge mit automatischer Abschaltung	102
u-t S	34 Turm	107
	35 Mast	110
	36 Bogenbrücke	116
	37 Kastenbrücke	120

Technical Models Step by Step

Illustrated Instructions for Educational Construction Kits

A selection of different models illustrates the various applications for individual elements from the following construction kits:

u-t 1	"Basic Kit"	Order No. 5411
u-t 2	Kit "Motor and Gearbox"	Order No. 5412
u-t 3/1	Kit "Electrotechnology"	Order No. 60 039
u-t S	Kit "Statics"	Order No. 60 063

With each model the heading indicates which construction kits are required and the time needed for construction and dismantling, including clearing away of the components.

The drawings show how the models are assembled step by step. To make it more clearly visible, each new component is highlighted in colour. In addition all the parts required for a specific construction stage are shown, together with their respective quantities needed.

Additional information on how to join certain elements together are outlined in red. The blue booklets that are enclosed with the construction kits contain basic details about how to use the components.

When constructing the models particular attention should be paid to the different pins, grooves and recesses in the various construction elements, and their positions within the overall structure.

Index

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	33 Hacksaw with automatic cut-off	102
u-t S	34 Tower	107
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	36 Arched bridge	116
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Maquettes techniques étape par étape

Instructions de montage illustrées pour les boîtes de construction

Nous avons sélectionné un certain nombre de maquettes illustrant les possibilités d'utilisation des différentes pièces provenant des boîtes de construction suivantes:

u-t 1	«Boîte de base»	référence 5411
u-t 2	«Moteur et boîte de vitesses»	référence 5412
u-t 3/1	«Electrotechnique»	référence 60 039
u-t S	«Statique»	référence 60 063

Pour chaque maquette, le code de la boîte de construction correspondante ainsi que le temps nécessaire au montage et au démontage, y compris le temps de rangement des pièces de construction, sont indiqués en haut de la page.

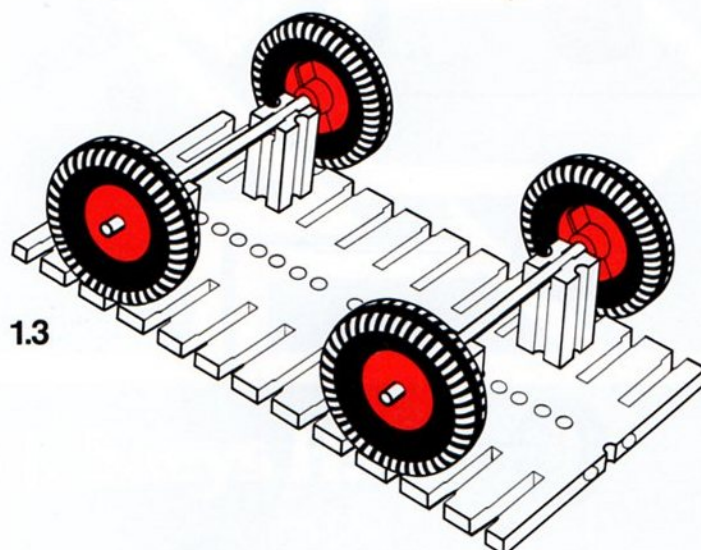
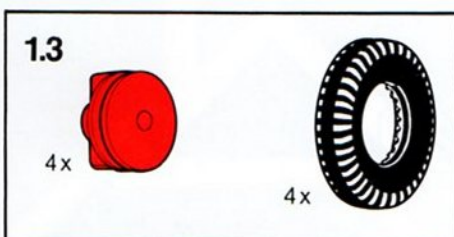
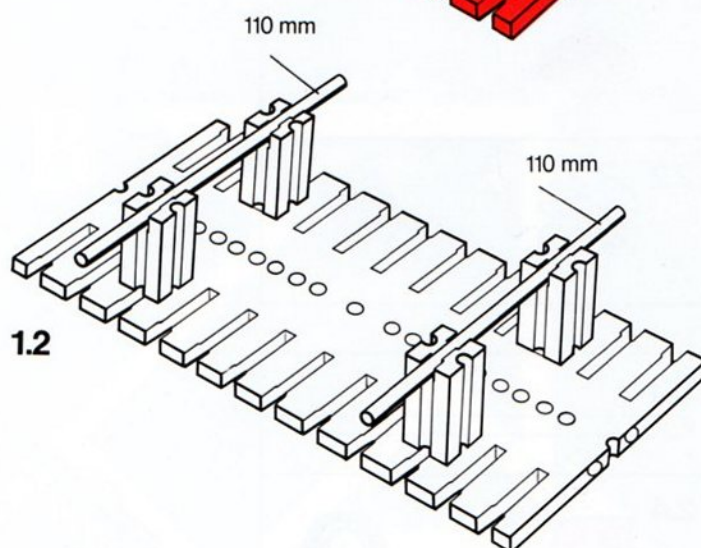
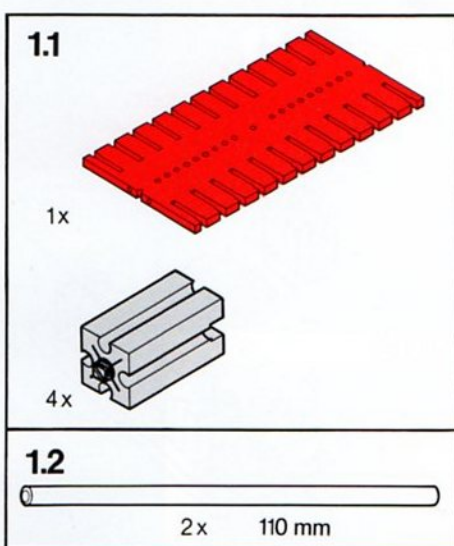
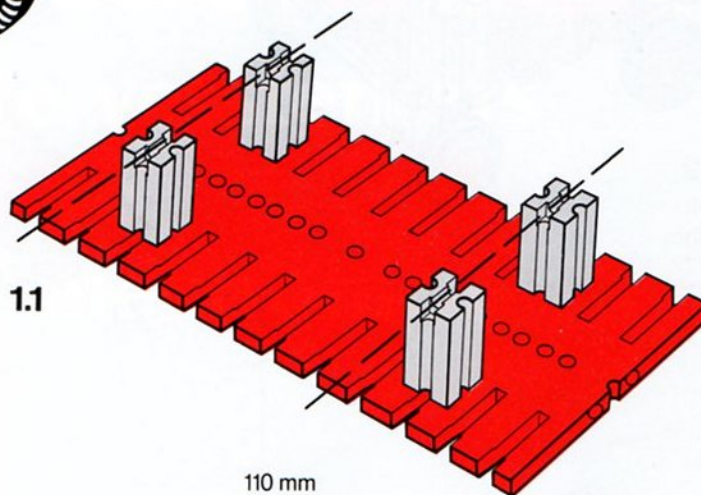
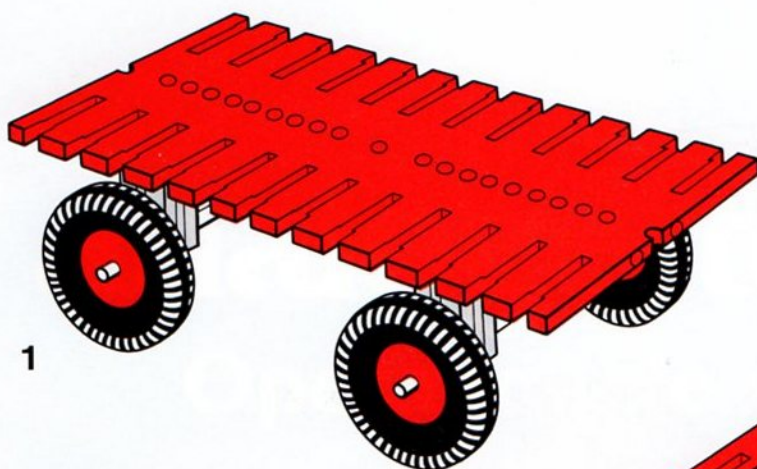
Les dessins illustrent les étapes successives de construction de la maquette; pour une plus grande clarté, toute pièce nouvelle s'ajoutant à l'ensemble est reproduite en couleur. En outre toutes les pièces nécessaires à chaque étape de construction sont dessinées à part avec indication de leur nombre.

Lorsque des instructions supplémentaires sont nécessaires au montage de certaines pièces, elles sont regroupées dans un encadré rouge. Les recommandations générales concernant la manipulation des éléments sont fournies dans les fascicules bleus livrés avec les boîtes de construction.

Lors du montage d'une maquette, respectez les différentes configurations des rainures, encoches et tenons ainsi que la position adéquate des pièces au sein de la configuration d'ensemble.

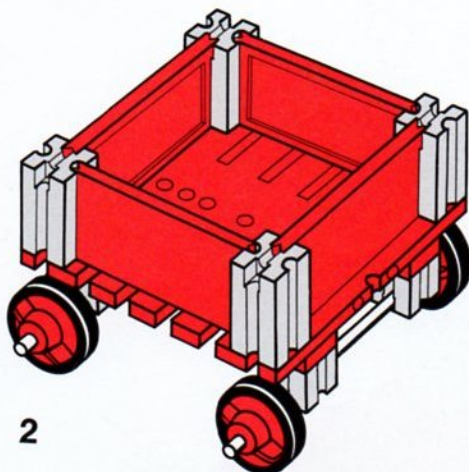
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	33 Scie à archet à arrêt automatique	102
u-t S	34 Tour	107
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	36 Pont en arc	116
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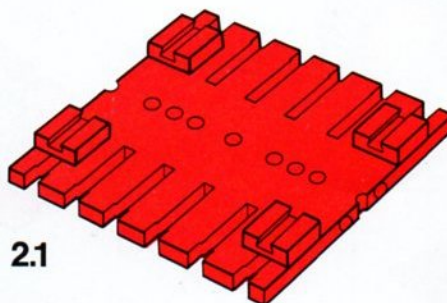
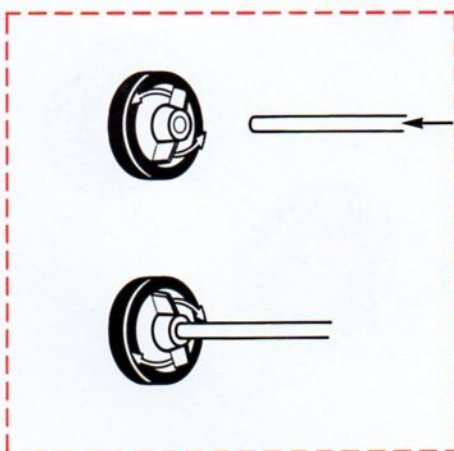
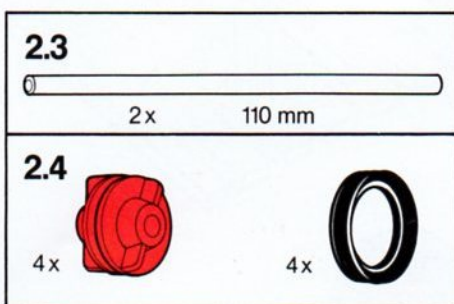
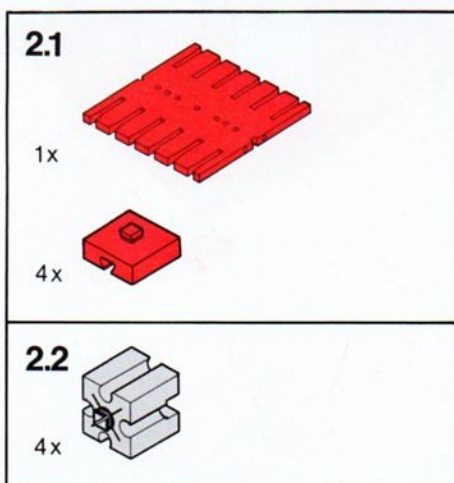


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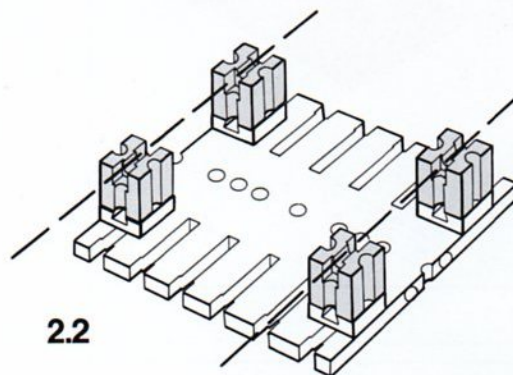




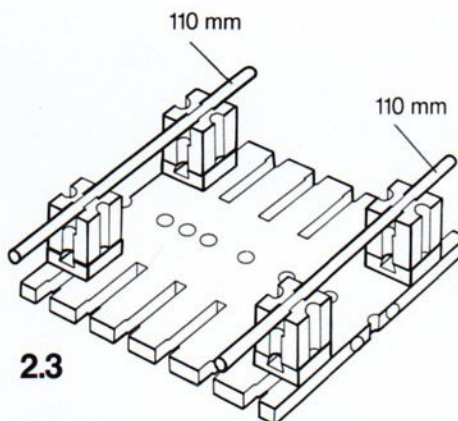
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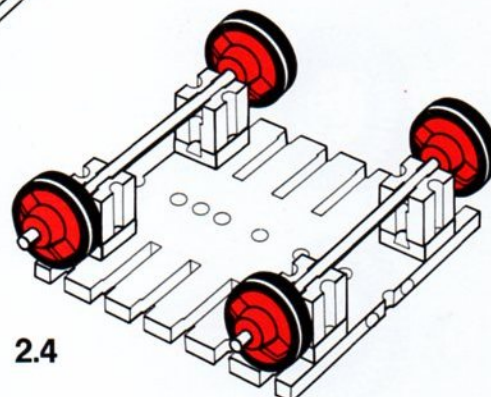
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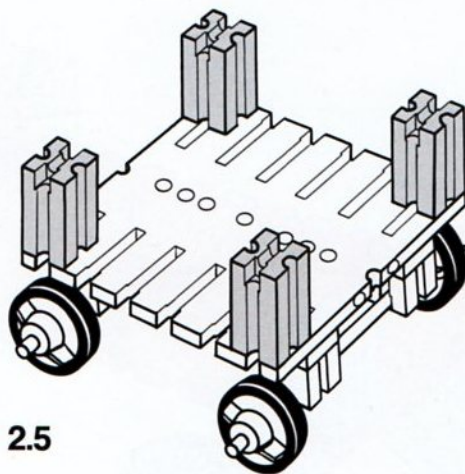
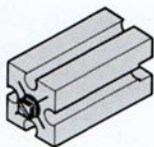
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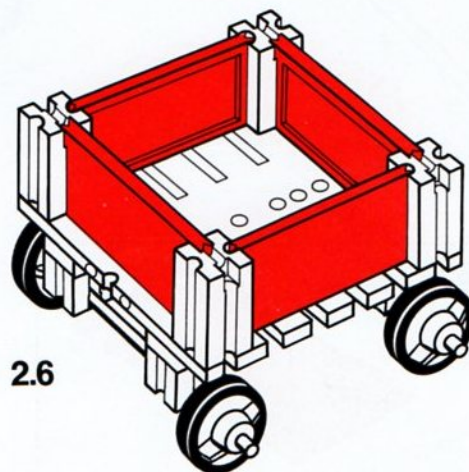
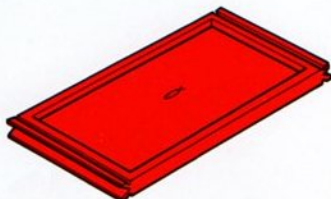
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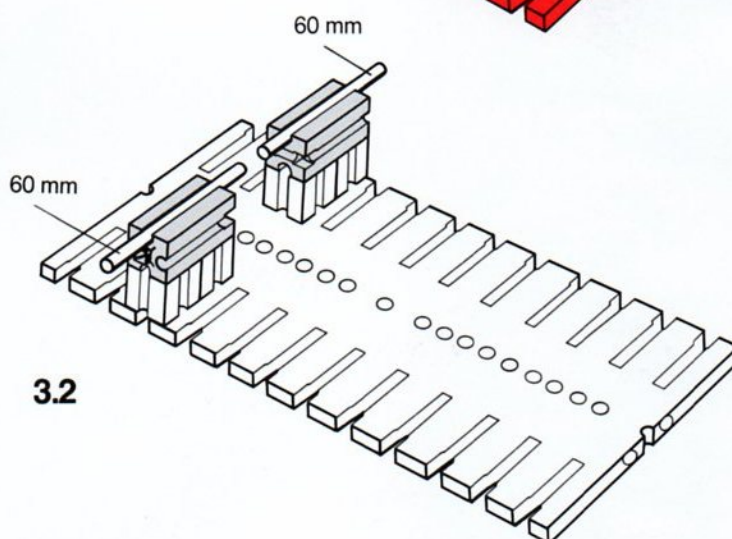
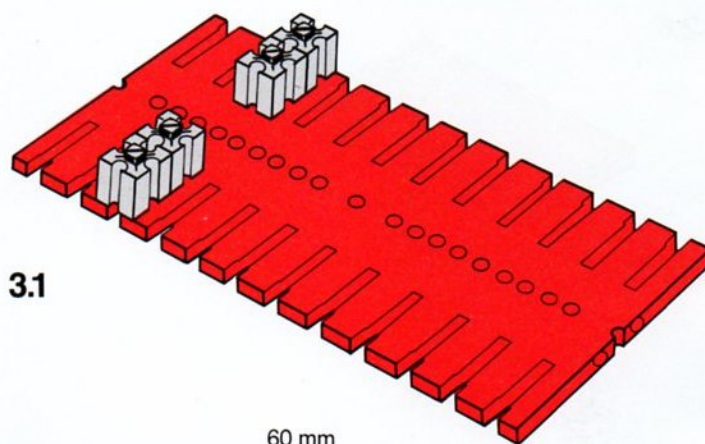
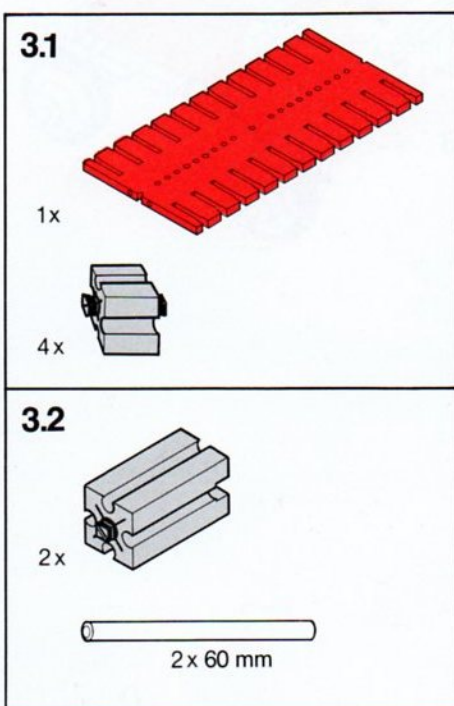
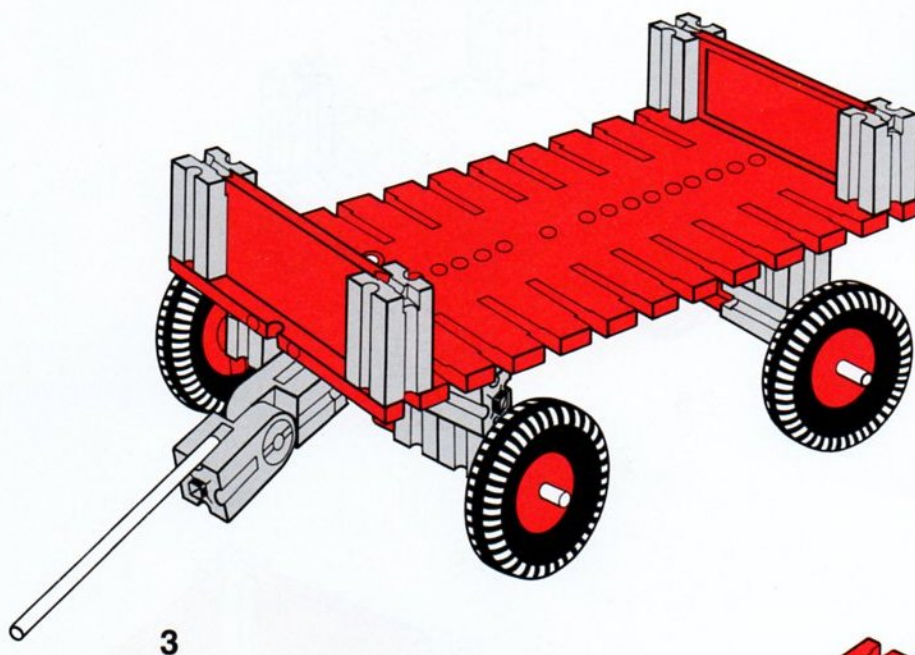
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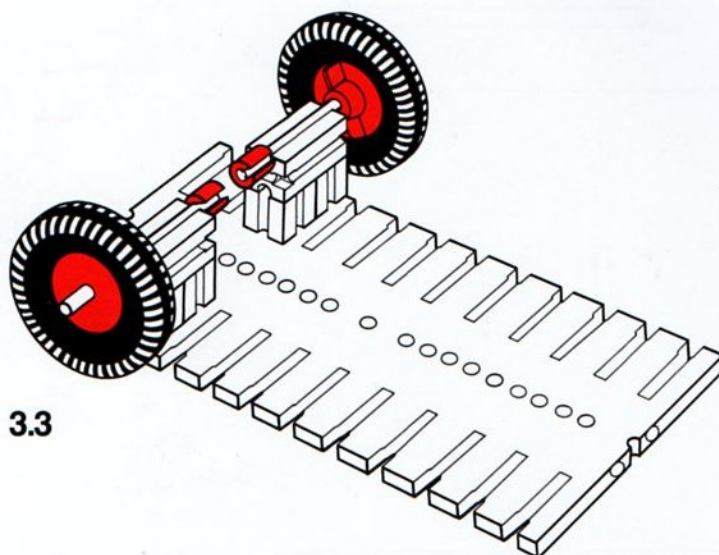
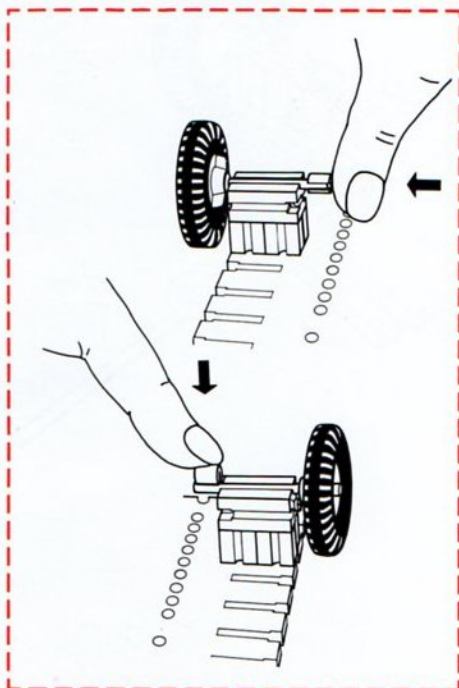
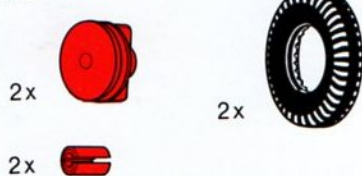
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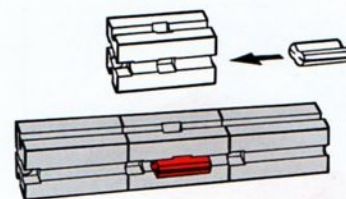


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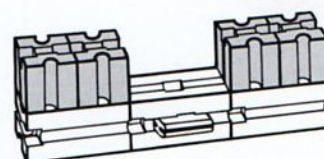
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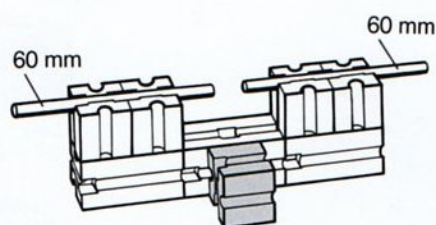
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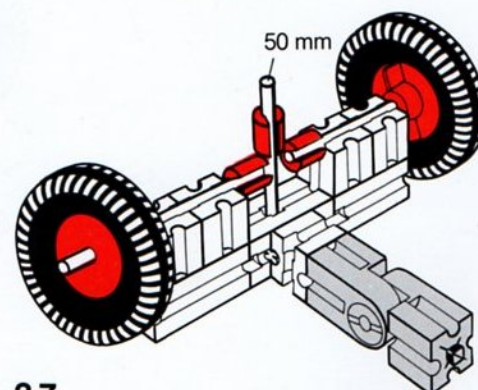
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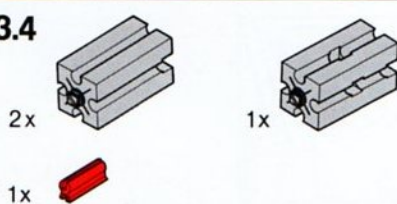


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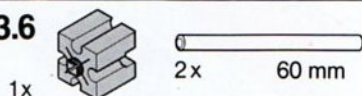
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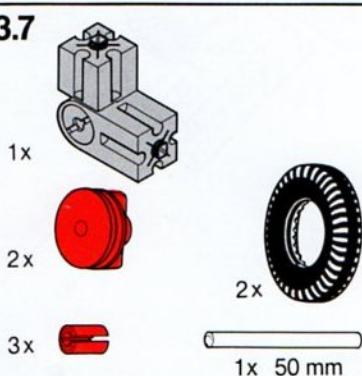
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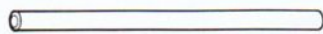


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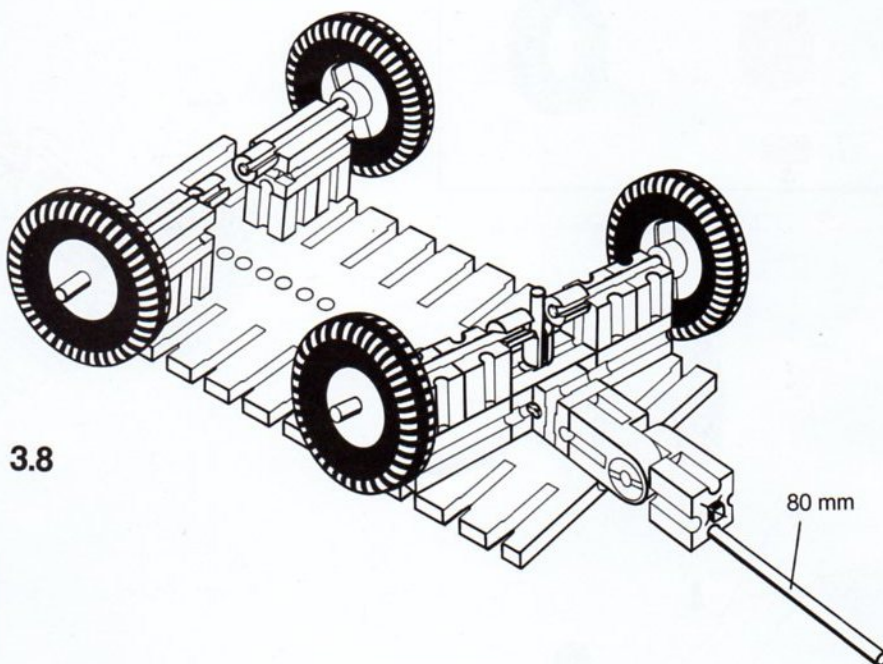


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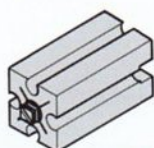
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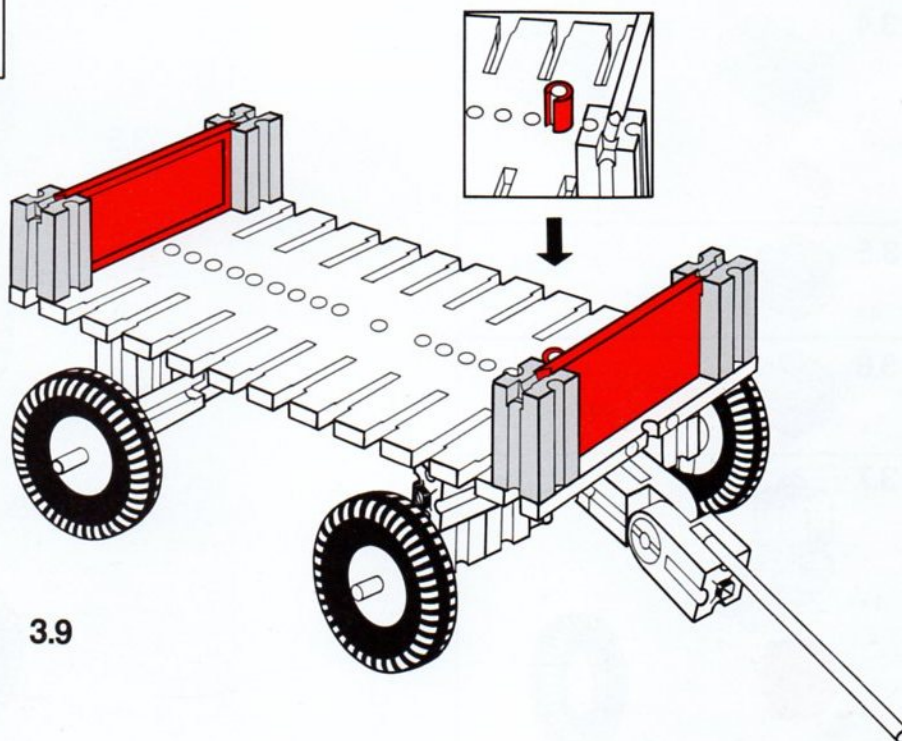
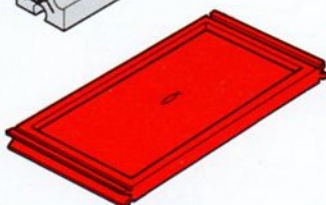
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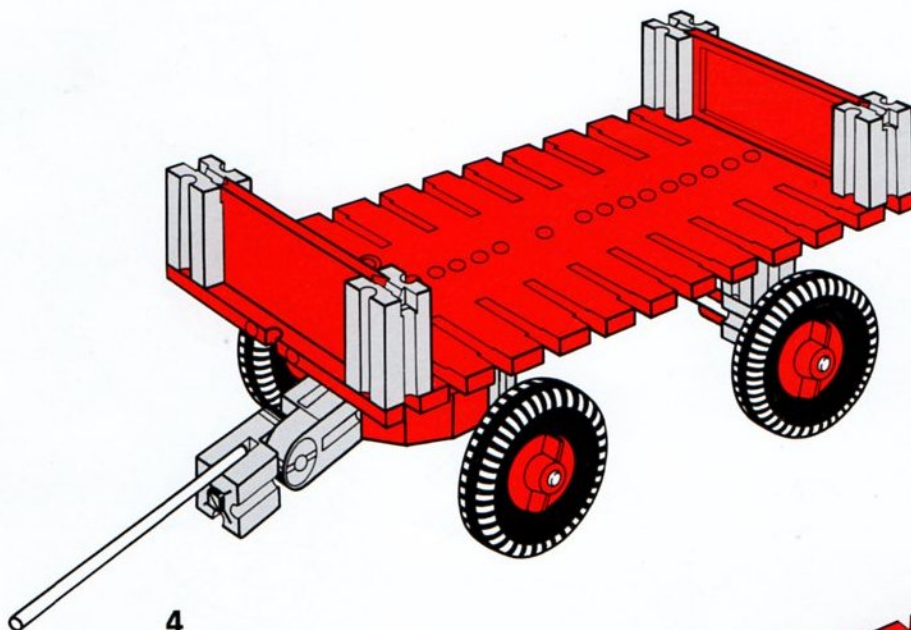


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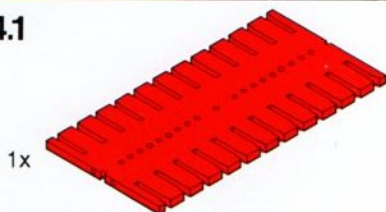
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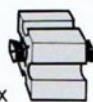


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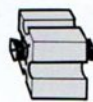


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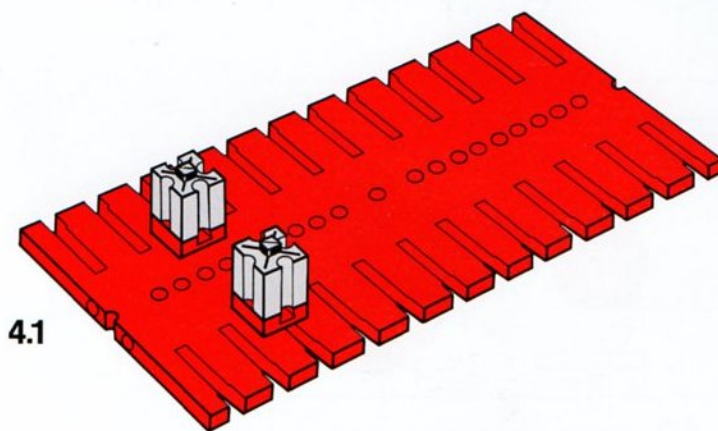
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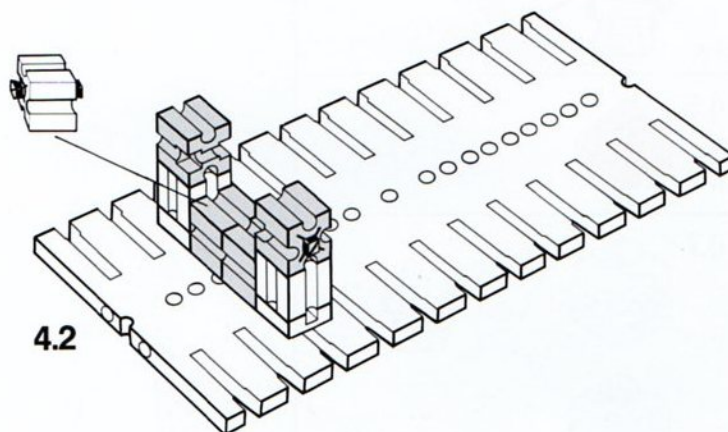
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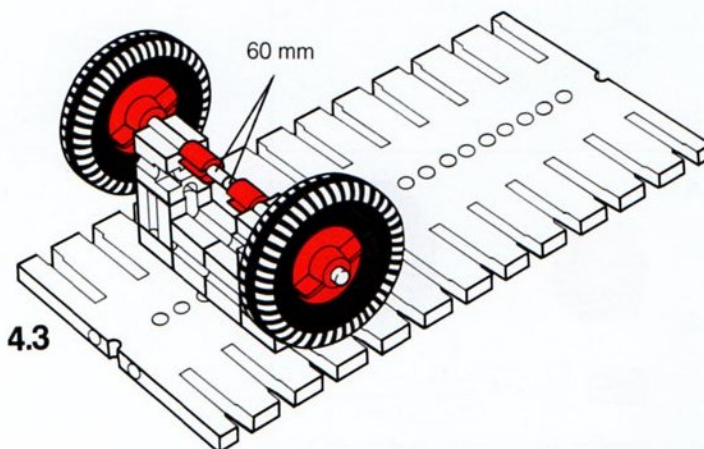
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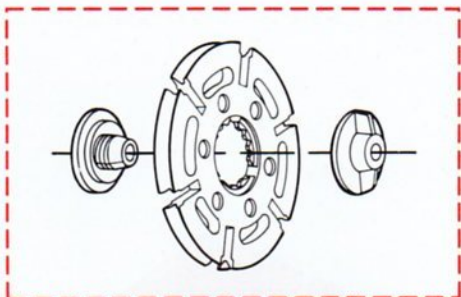
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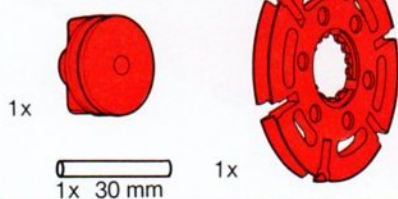
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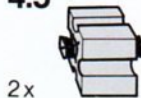




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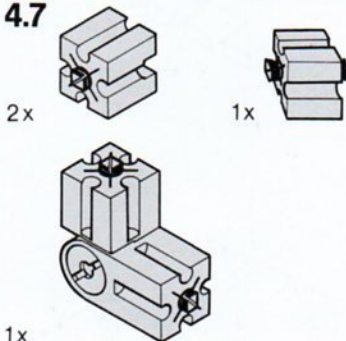
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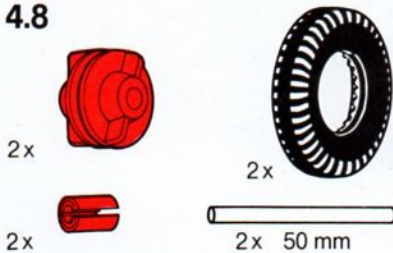
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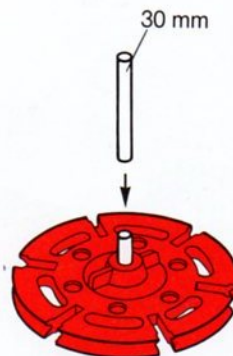
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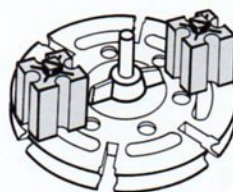
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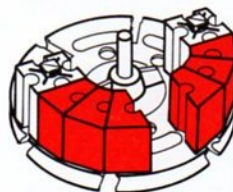
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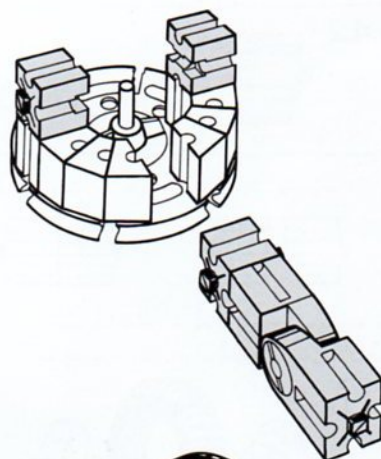
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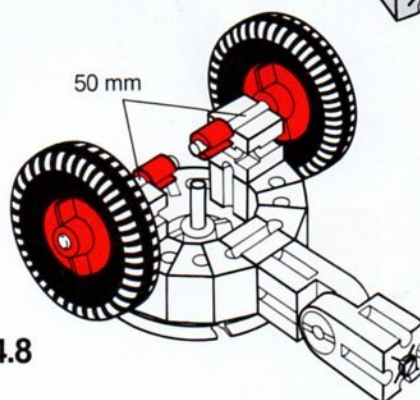
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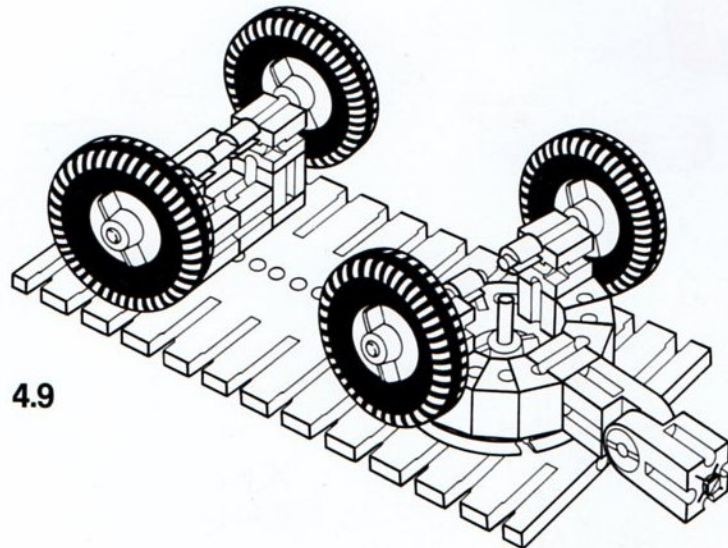
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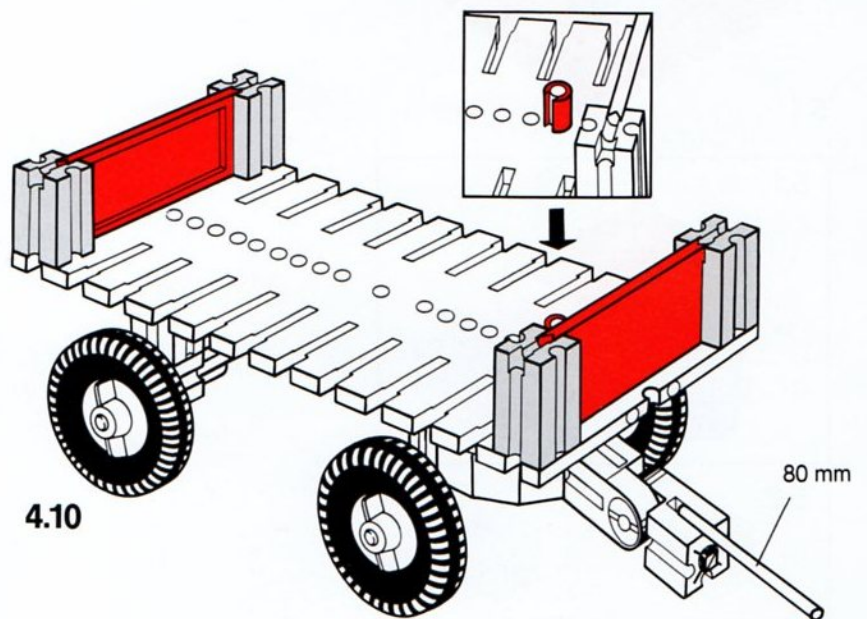
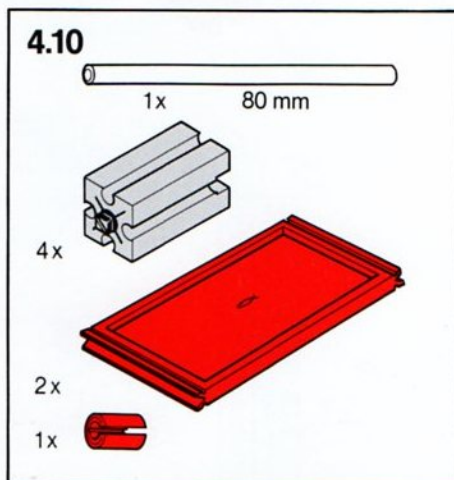
4.8



30 mm 50 mm

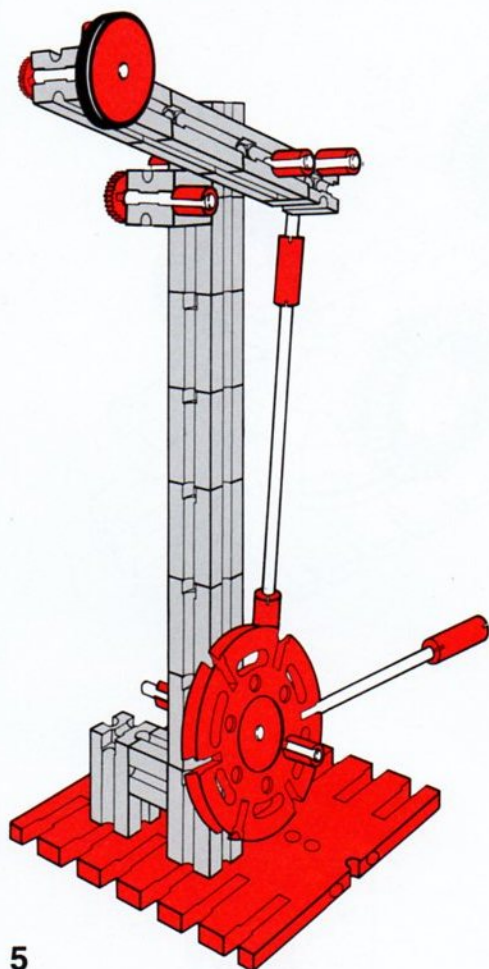


4.9

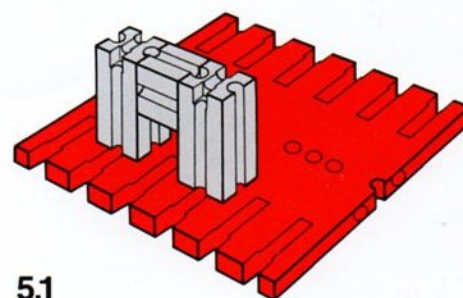


4.10

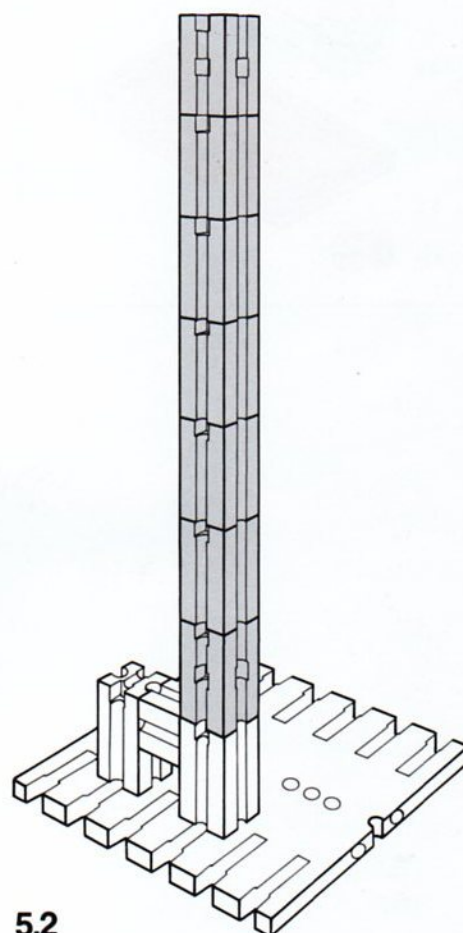
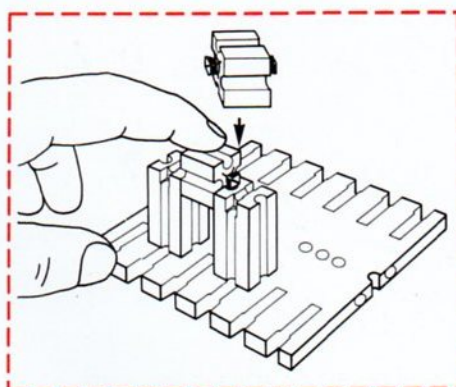
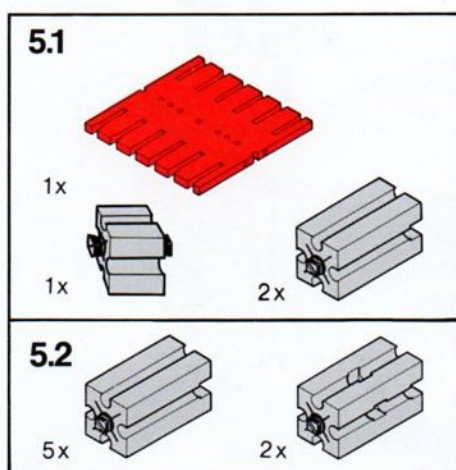
80 mm



5

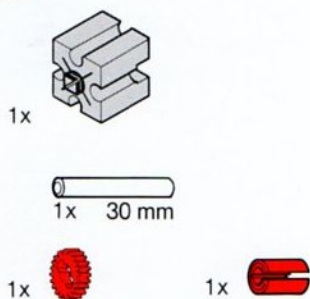


5.1



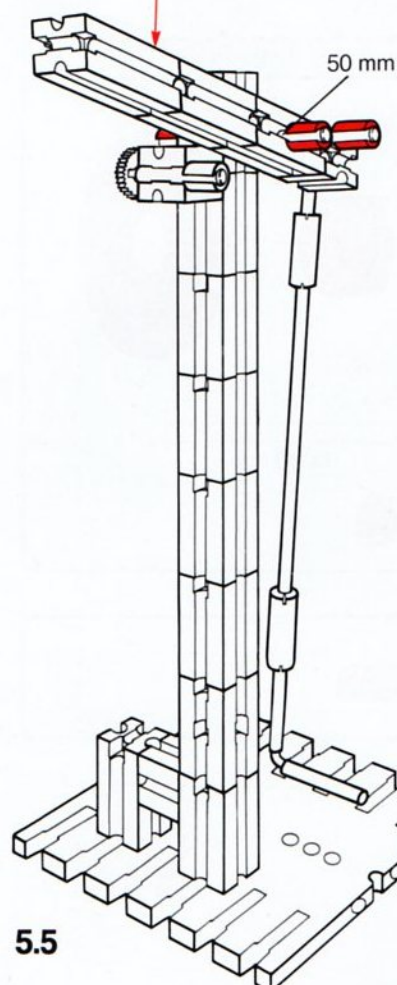
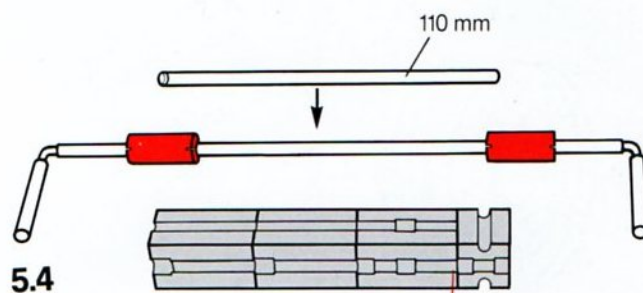
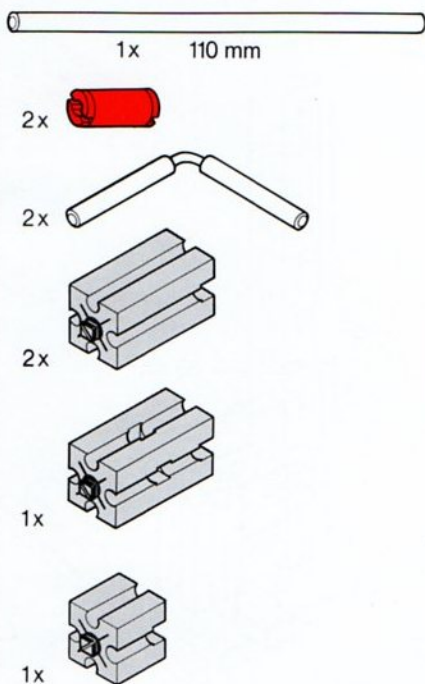
5.2

5.3

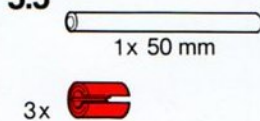


5.3

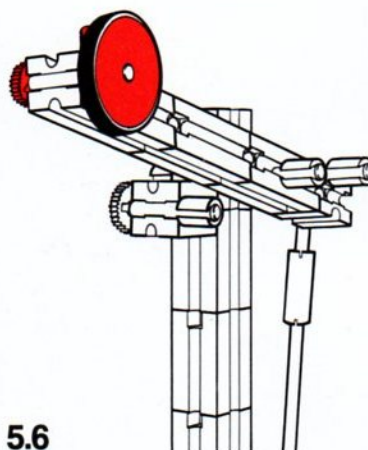
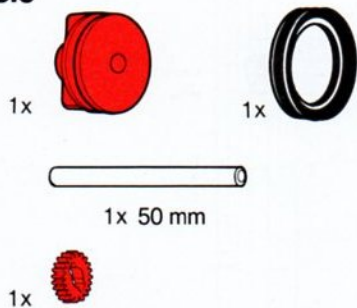
5.4



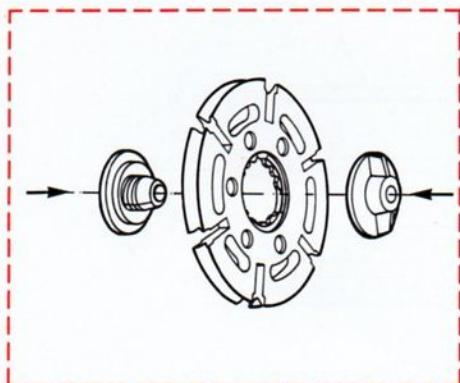
5.5



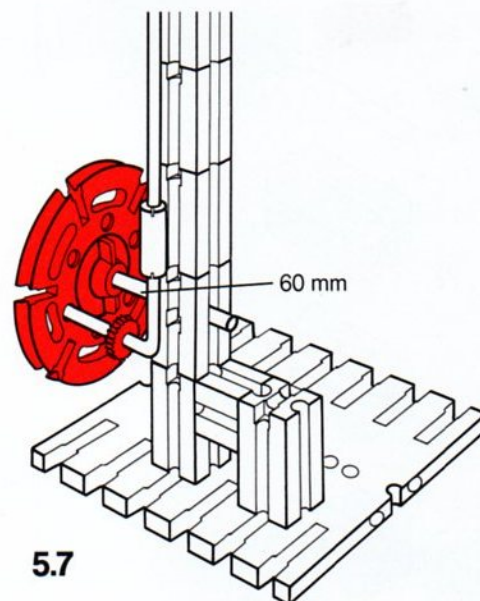
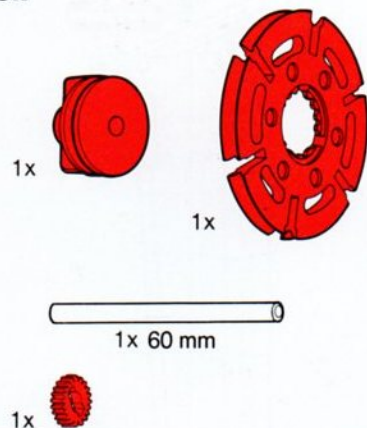
5.6



5.6

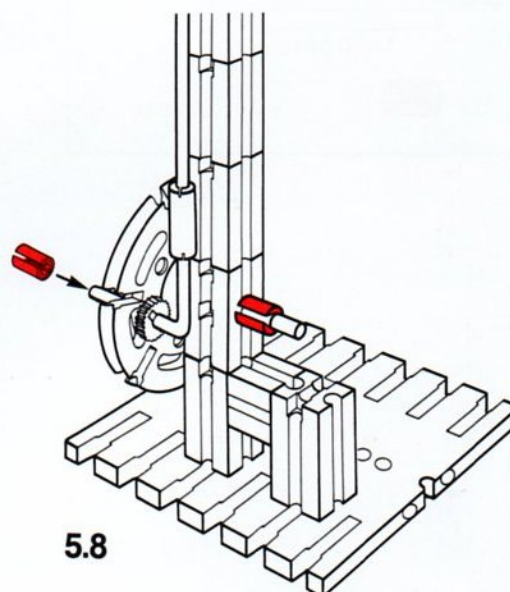


5.7



5.7

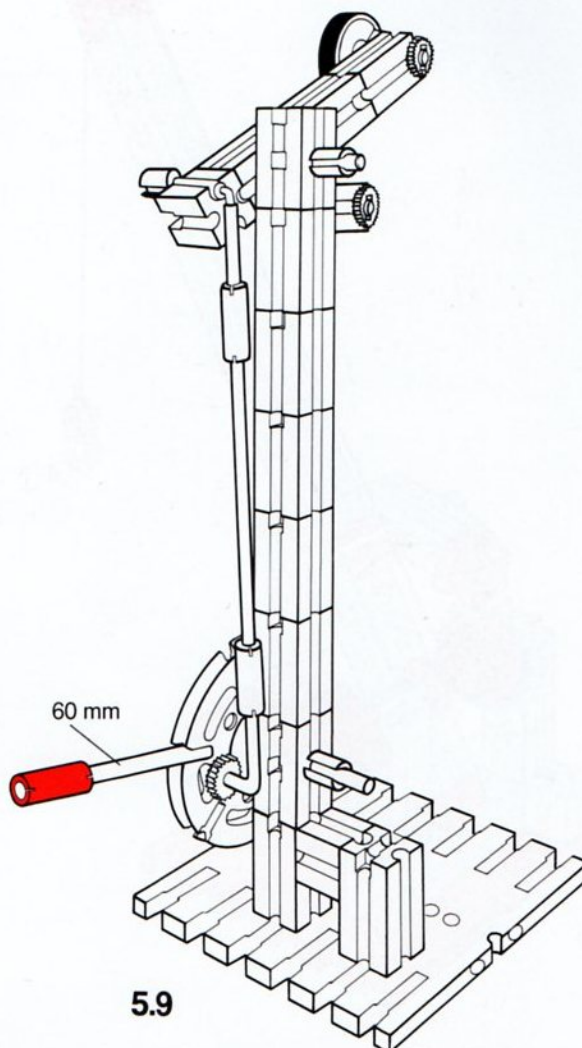
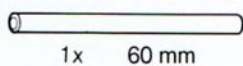
5.8



5.8

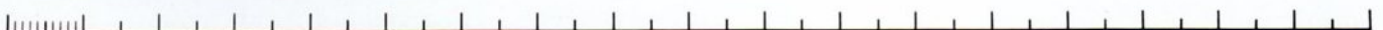
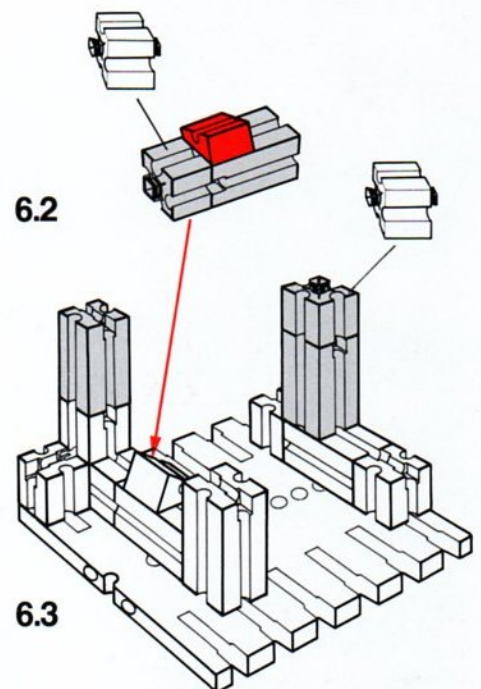
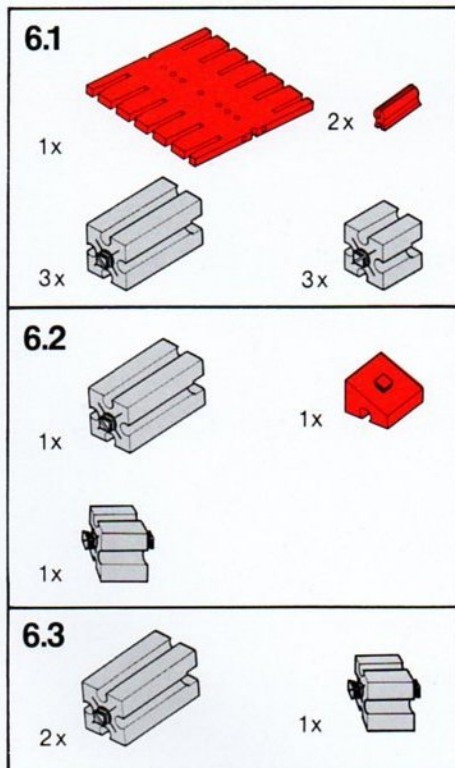
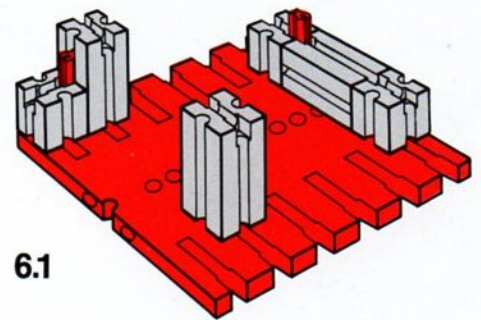
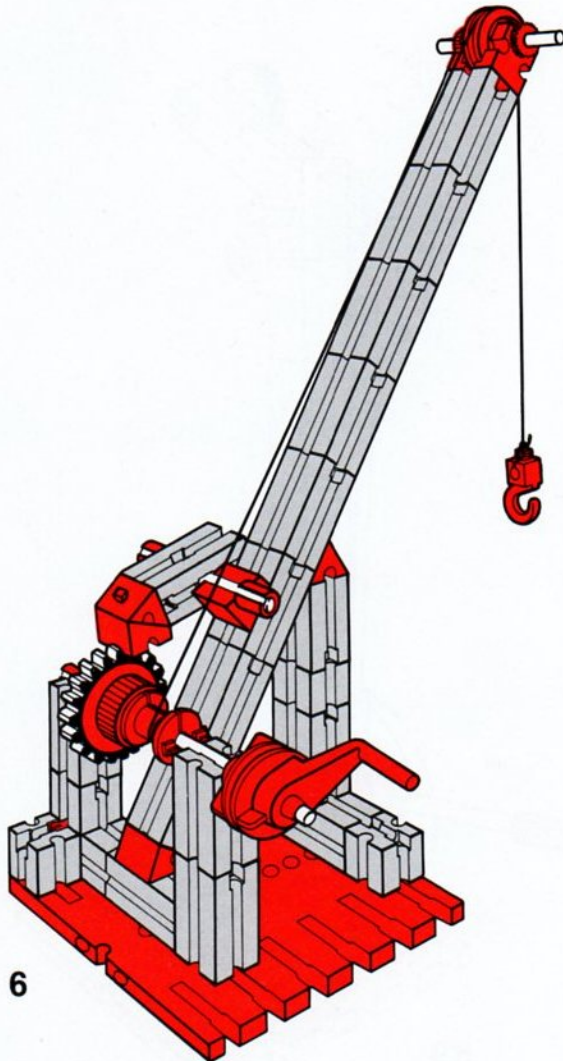
50 mm 60 mm

5.9

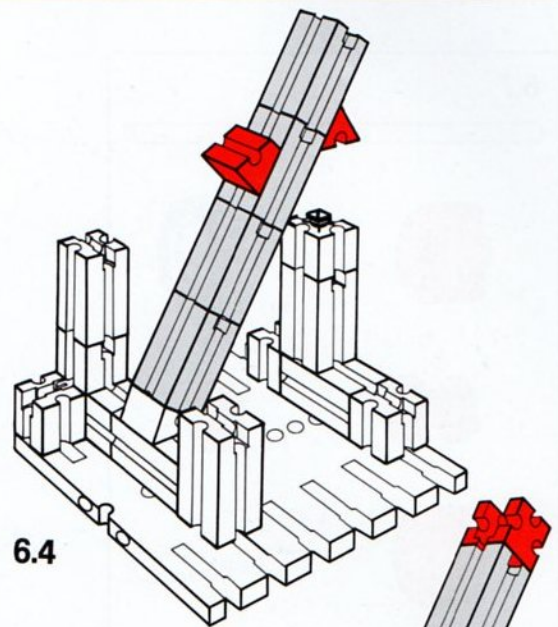
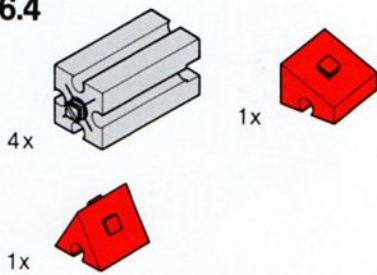


60 mm

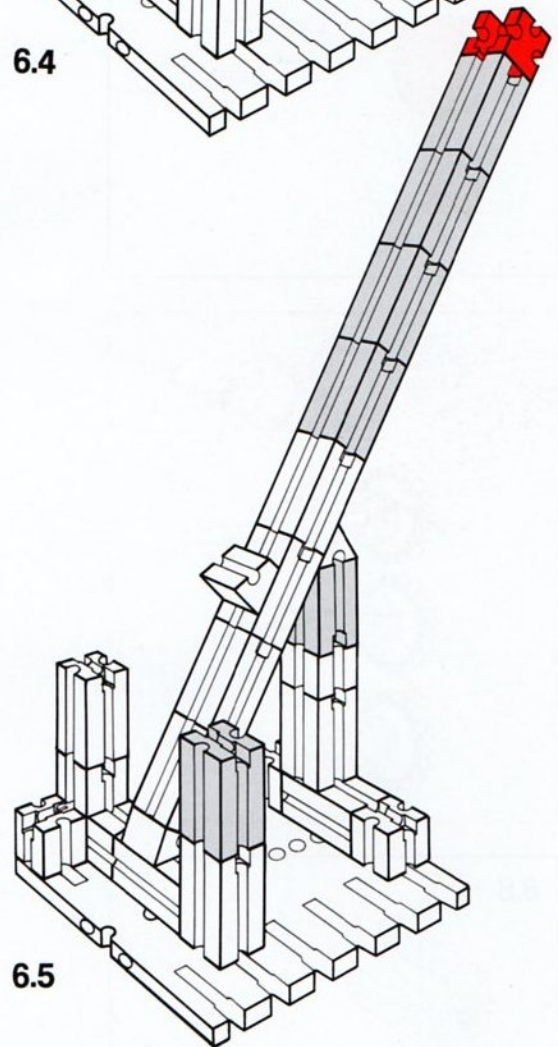
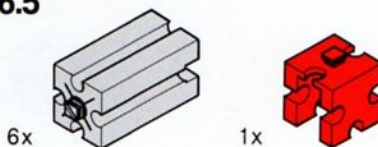




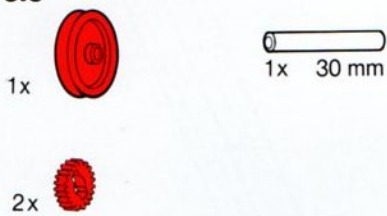
6.4



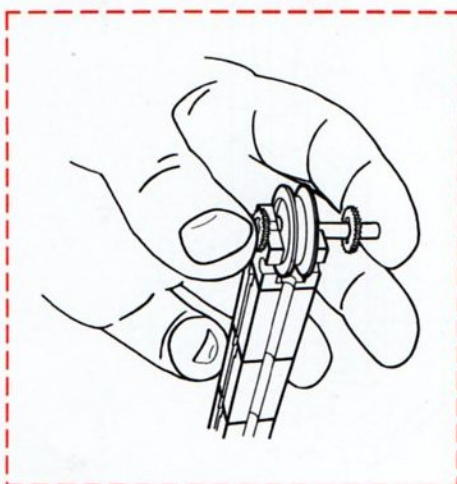
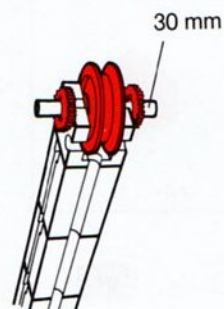
6.5



6.6

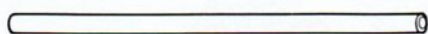


6.6

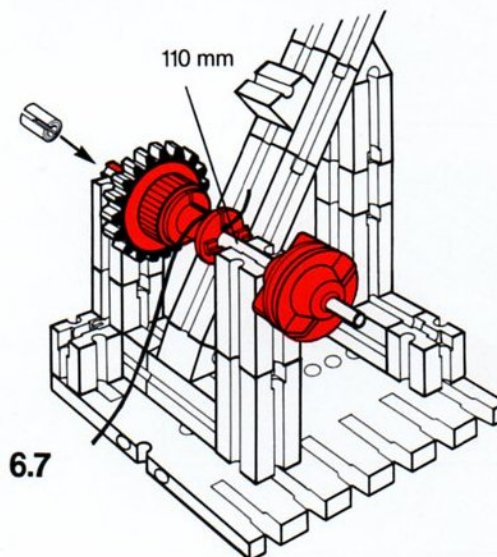
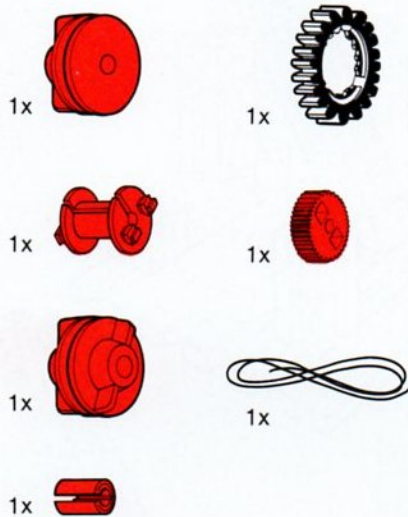


30 mm

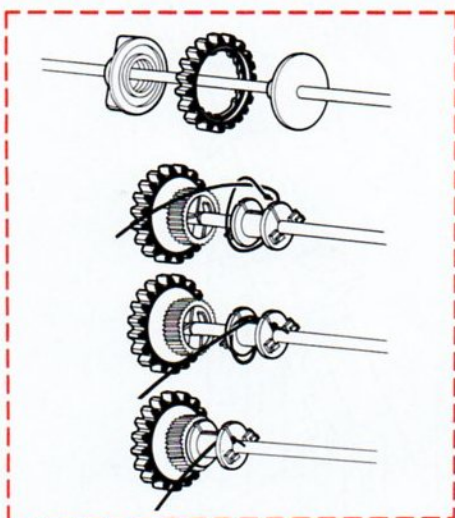
6.7



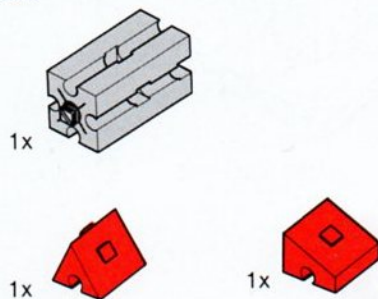
1x 110 mm



6.7



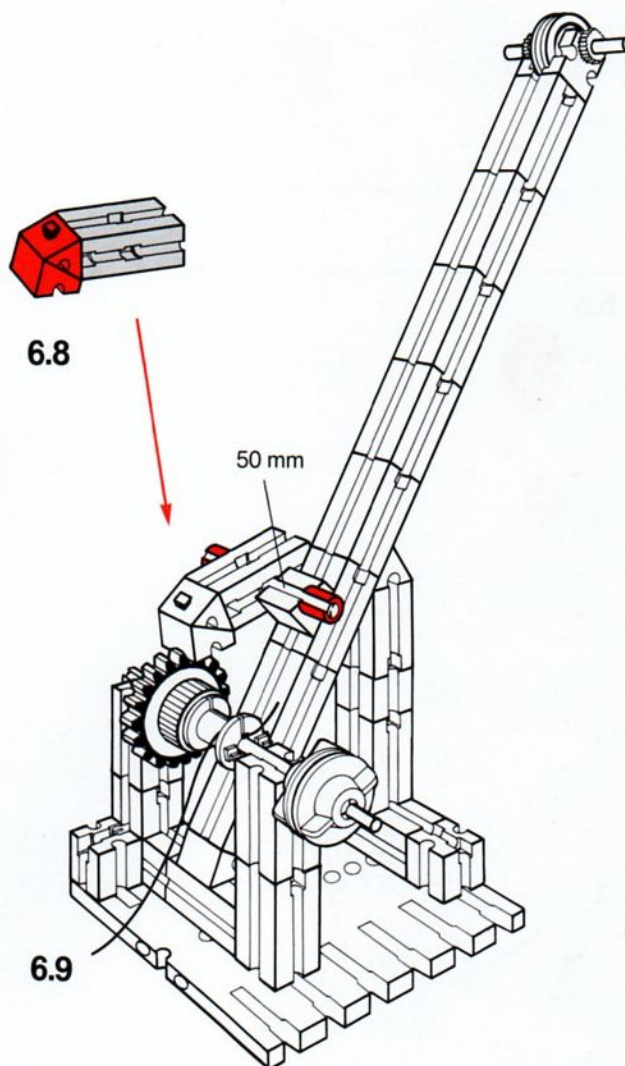
6.8



6.9



50 mm



6.9

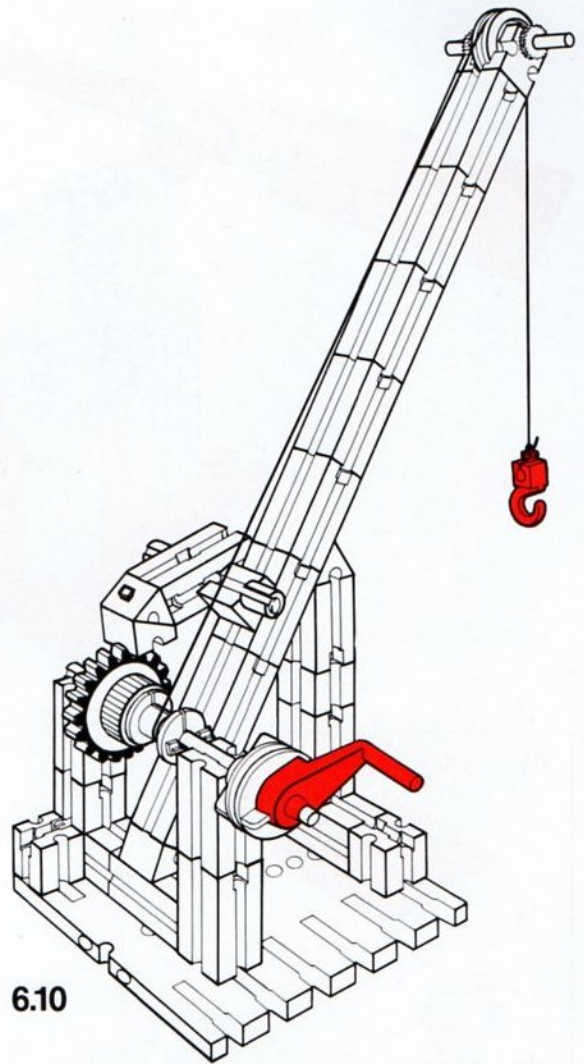
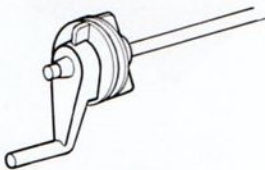
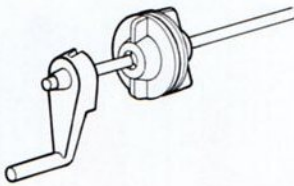
110 mm

6.10

1x

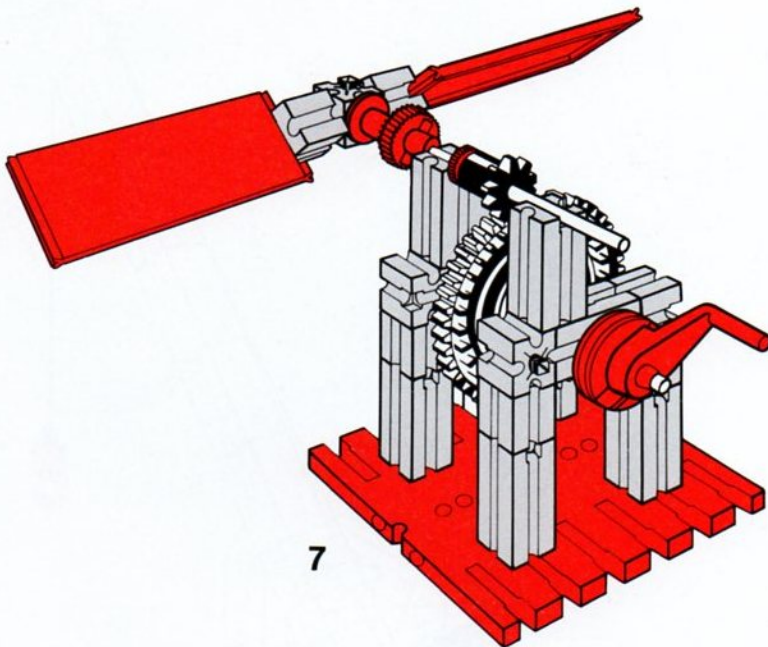


1x

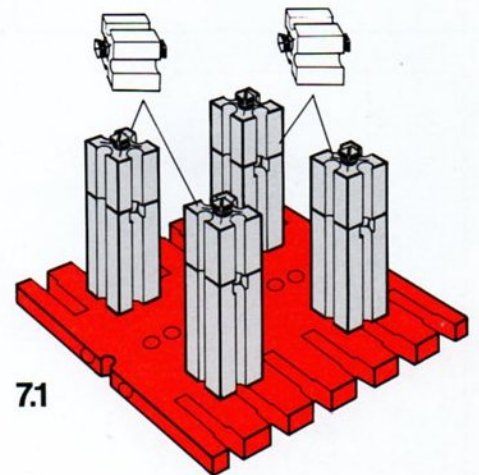


6.10

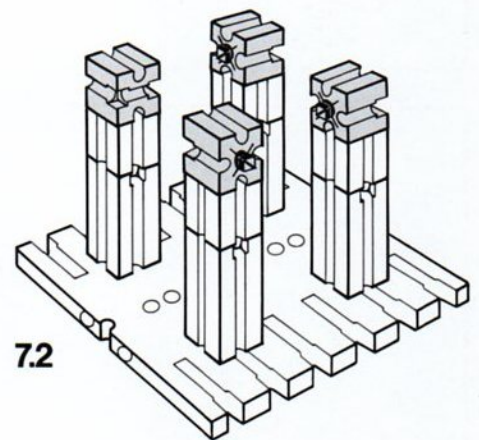




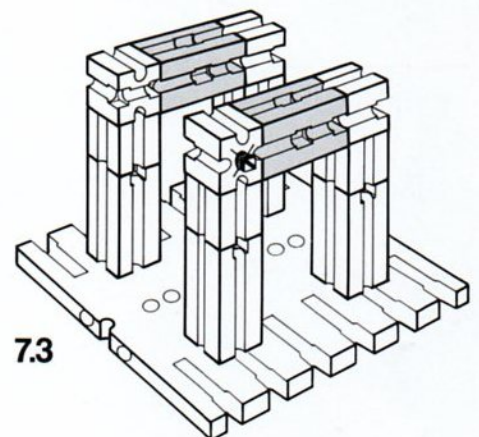
7



7.1

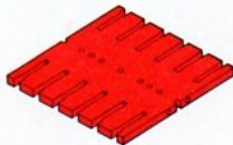


7.2



7.3

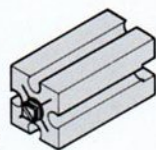
7.1



1x

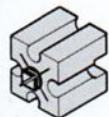


4x



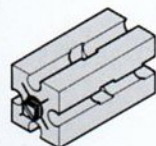
4x

7.2

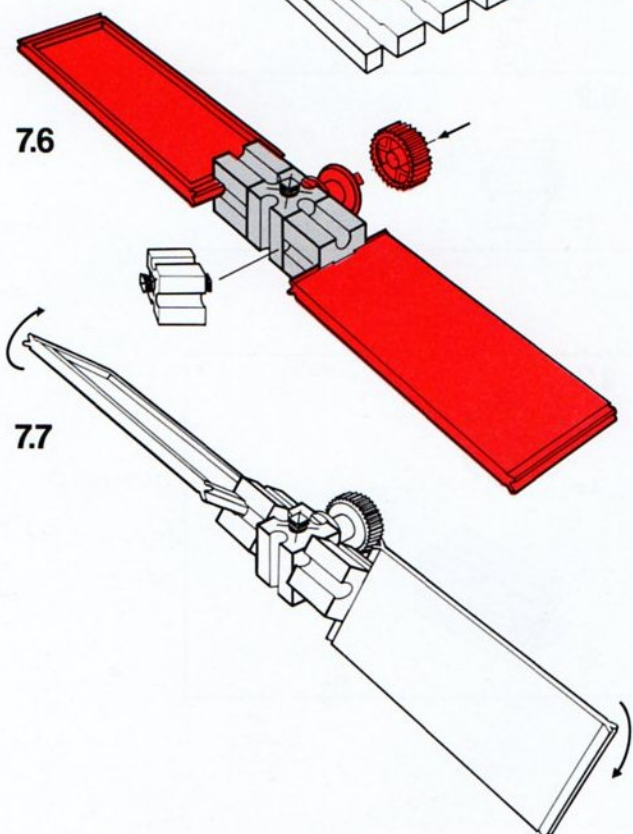
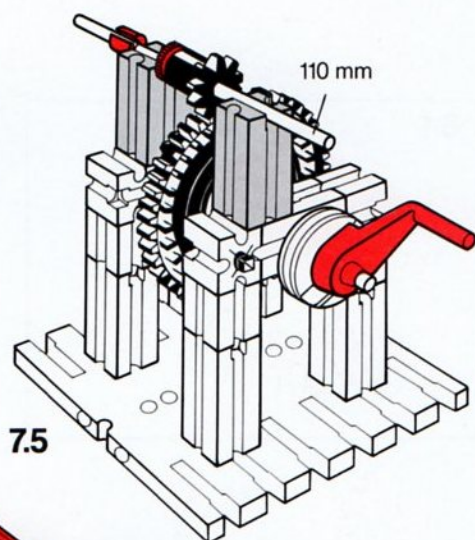
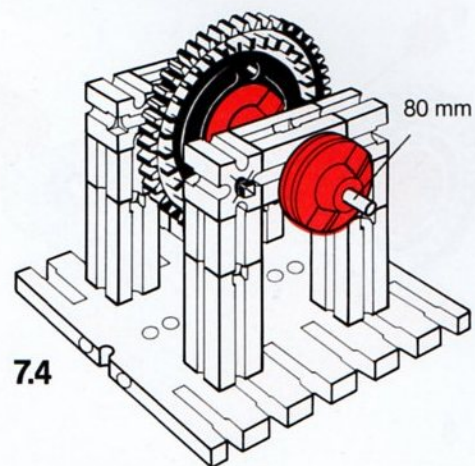
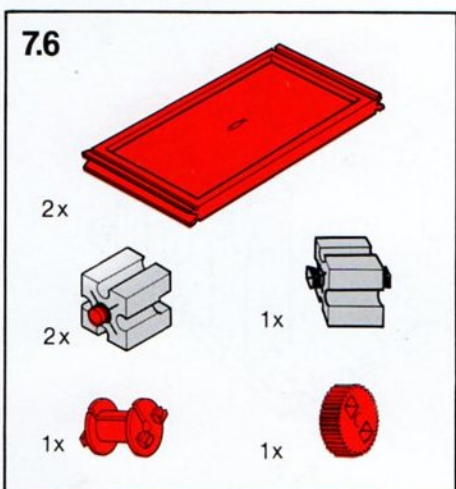
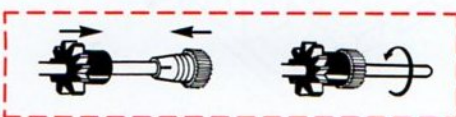
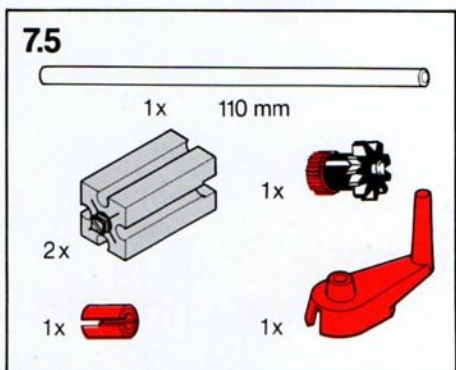
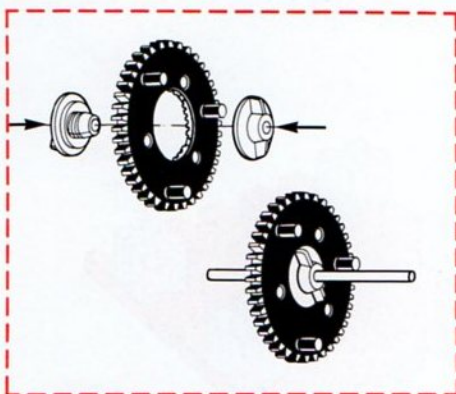
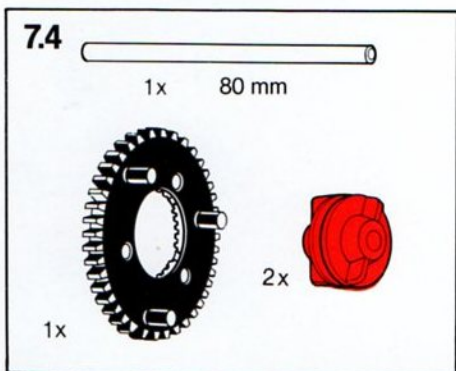


4x

7.3

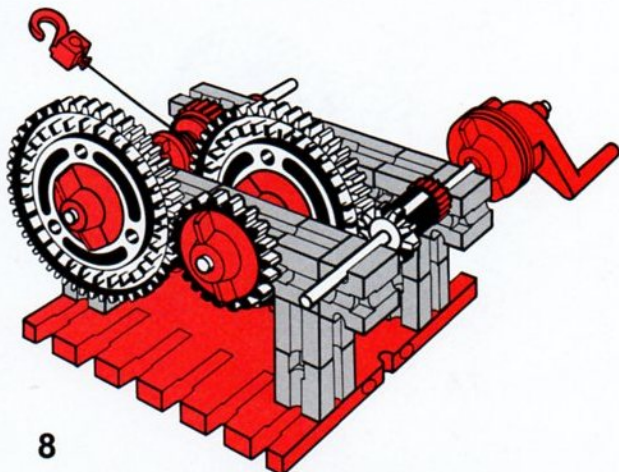


2x



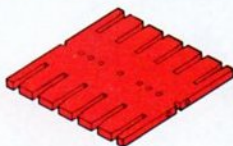
80 mm

110 mm

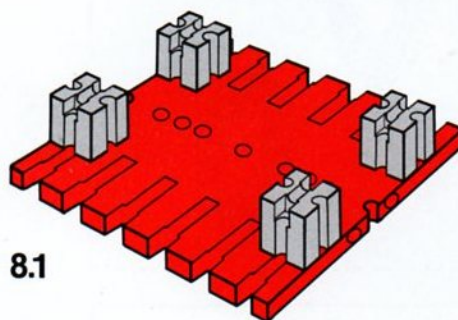
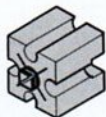


8.1

1x

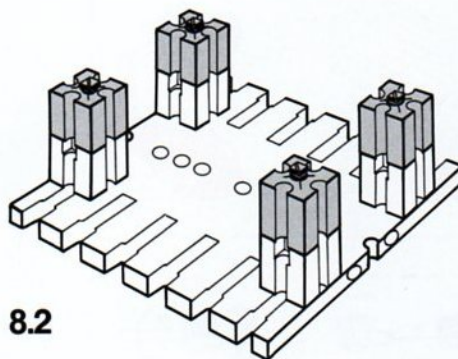


4x



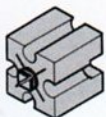
8.2

4x

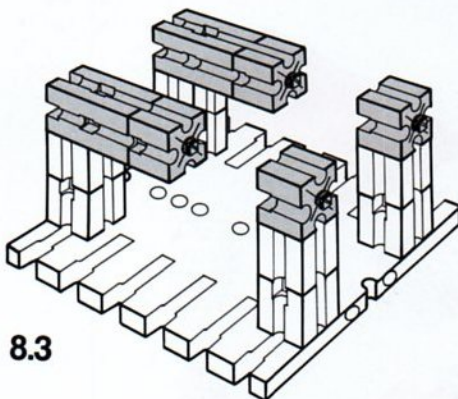
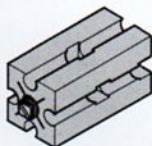


8.3

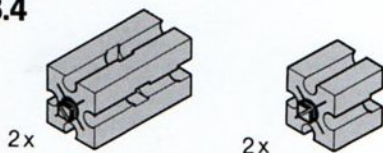
4x



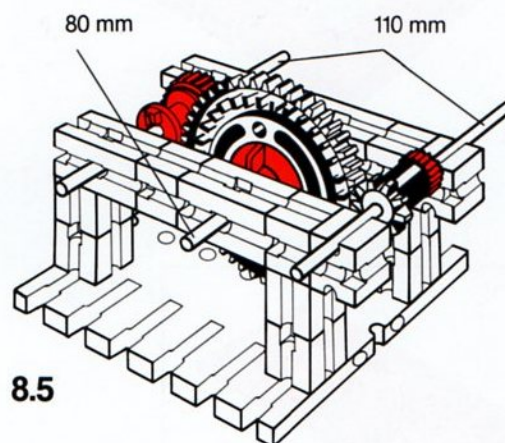
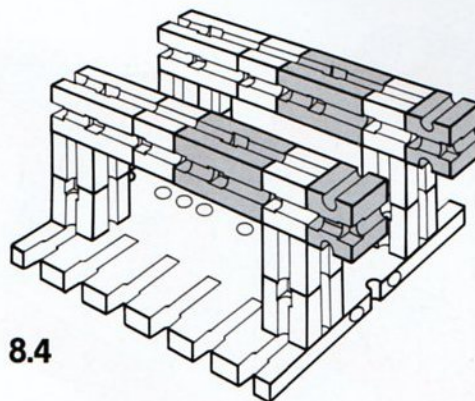
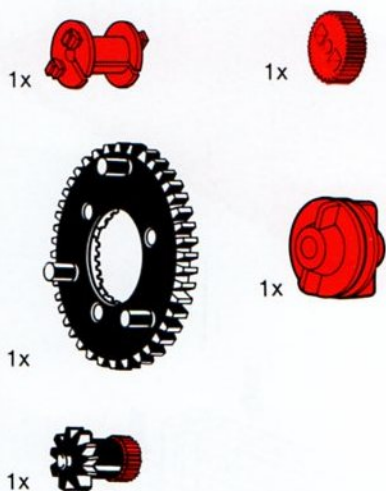
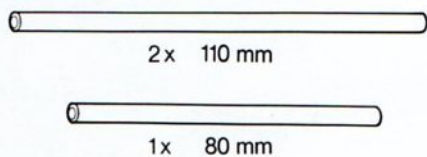
2x



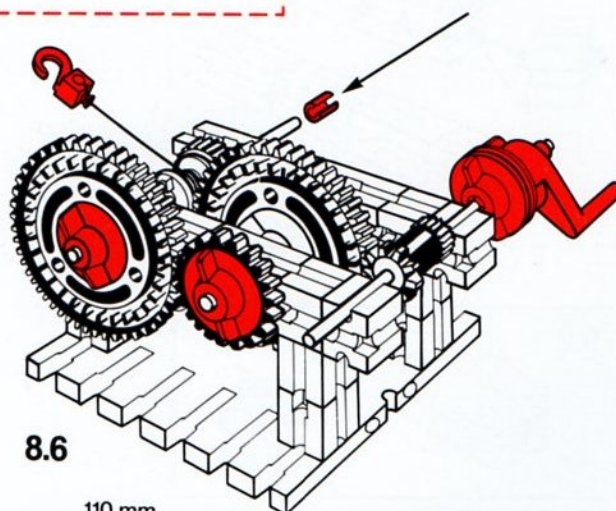
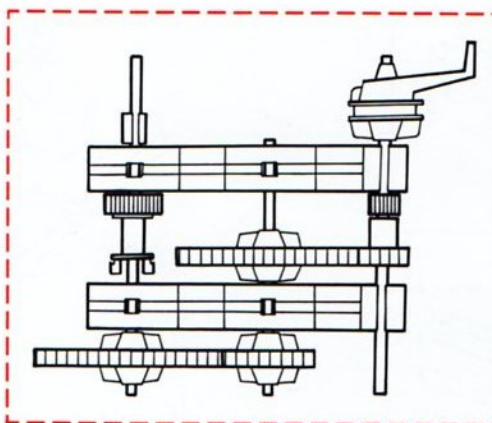
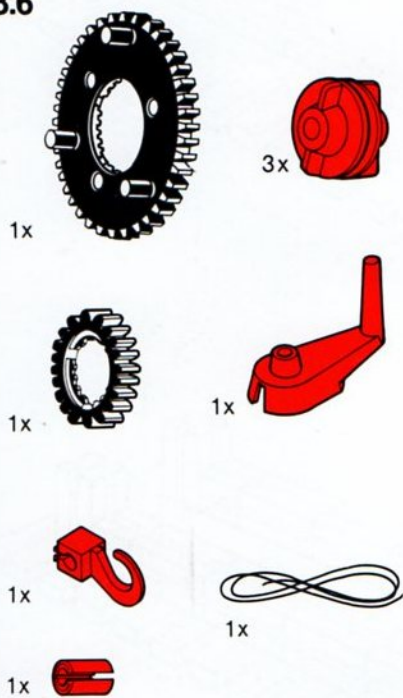
8.4

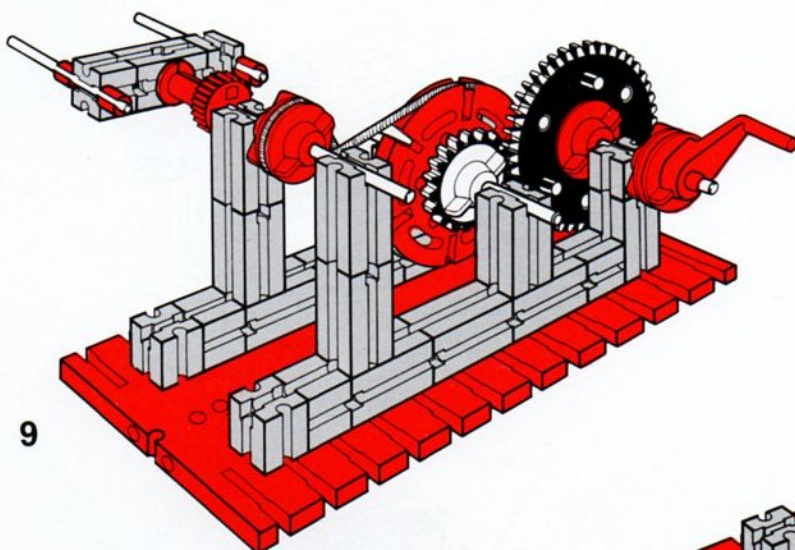


8.5

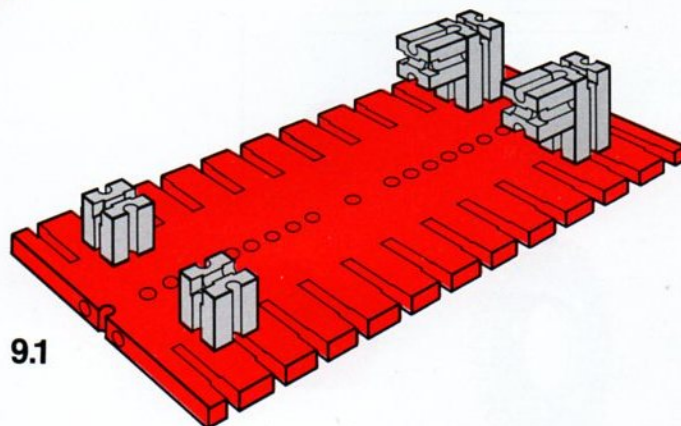


8.6

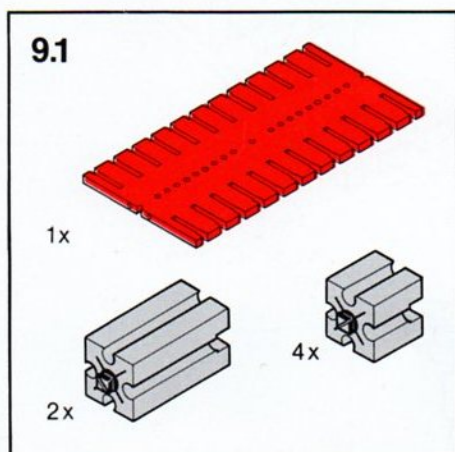




9



9.1

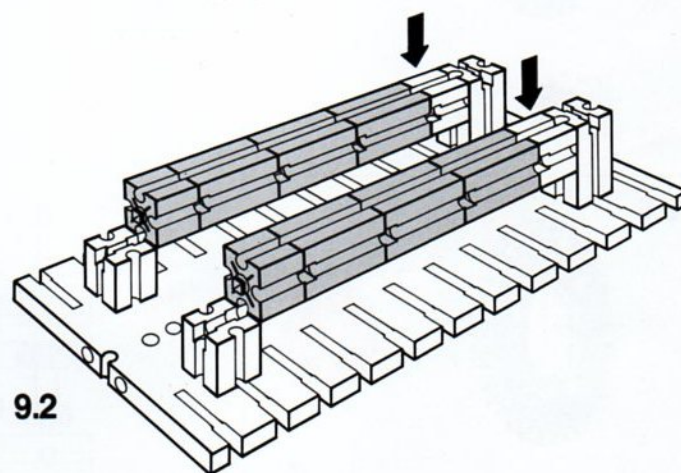


9.1

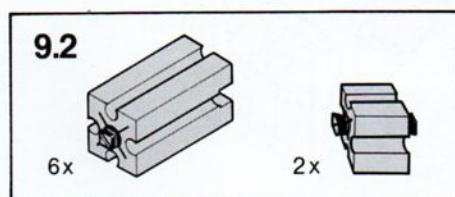
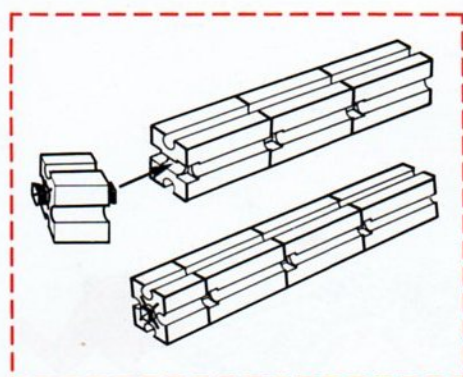
1x

2x

4x



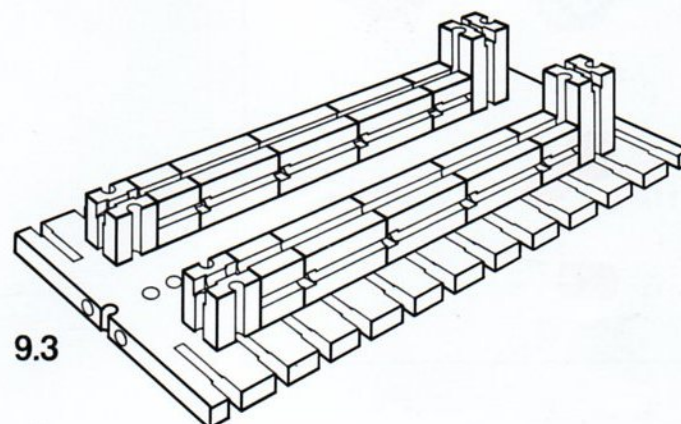
9.2



9.2

6x

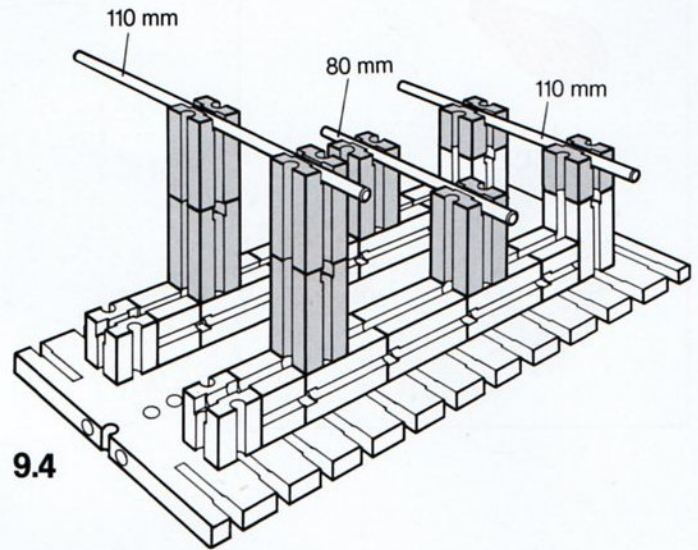
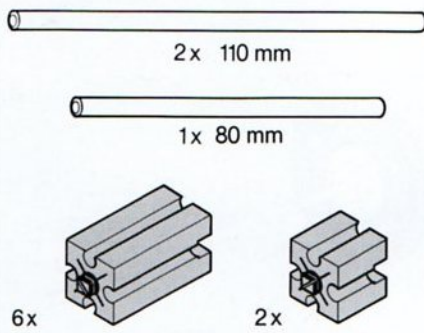
2x



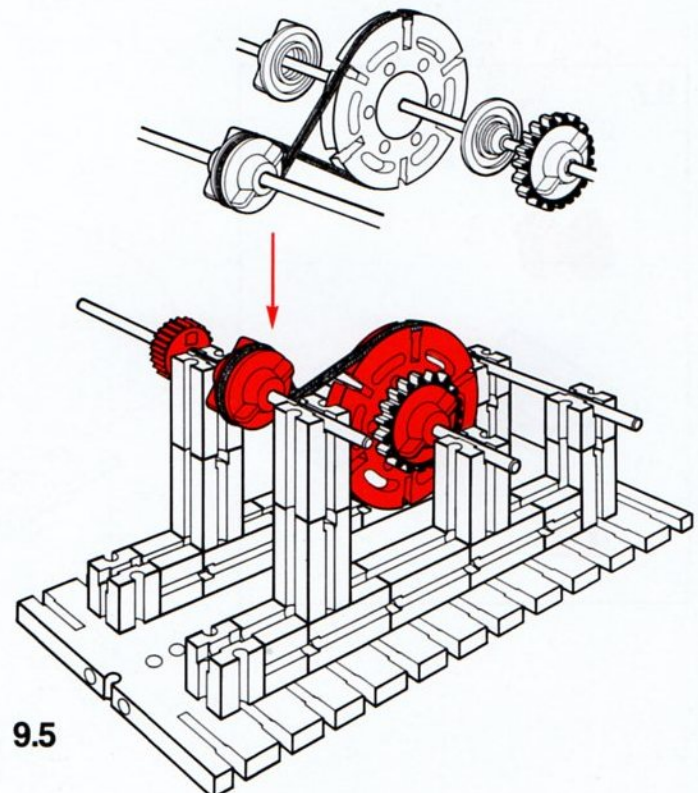
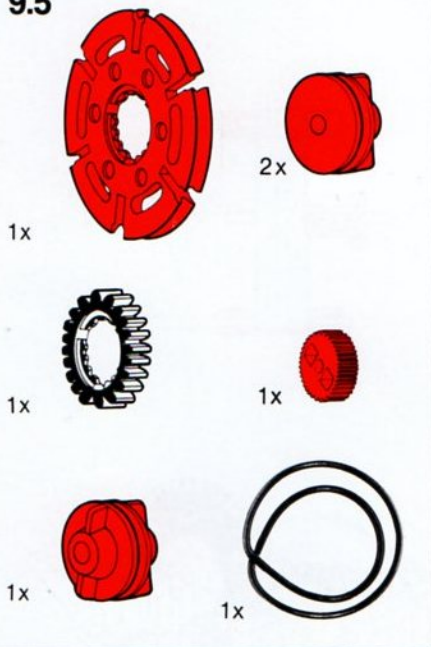
9.3



9.4



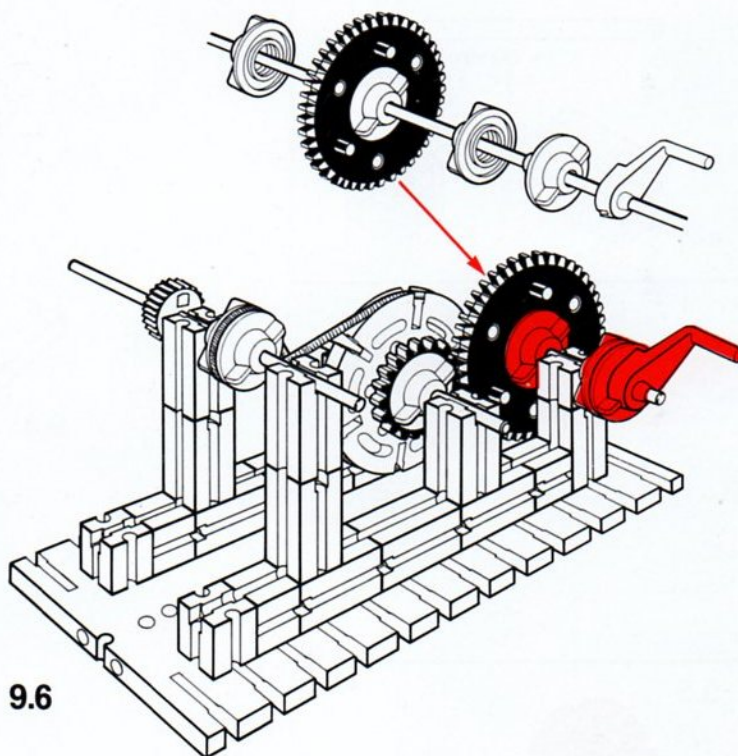
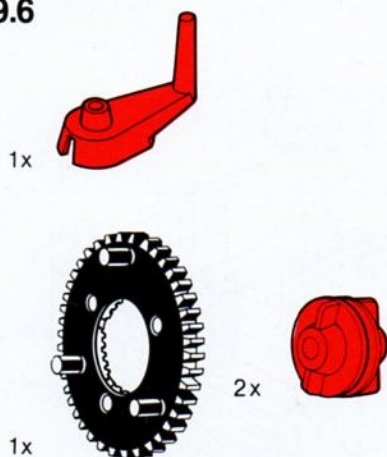
9.5



80 mm

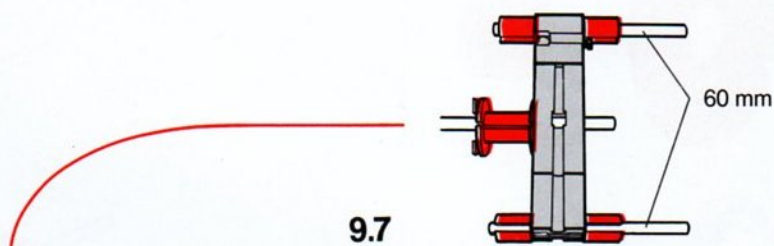
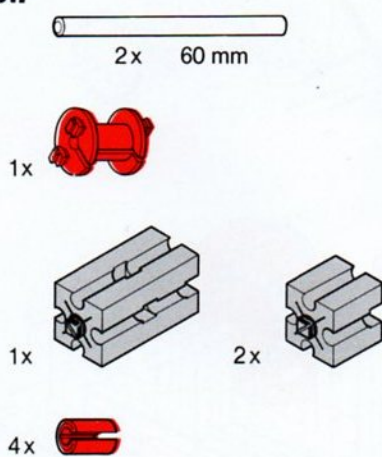
110 mm

9.6

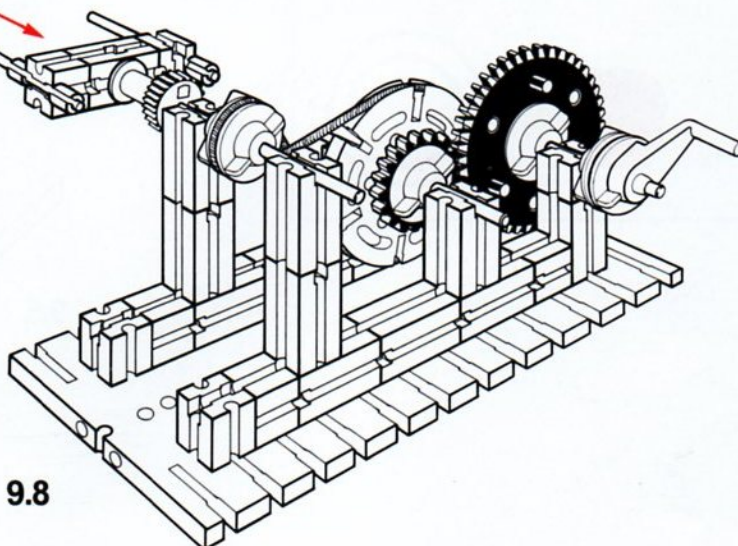


9.6

9.7

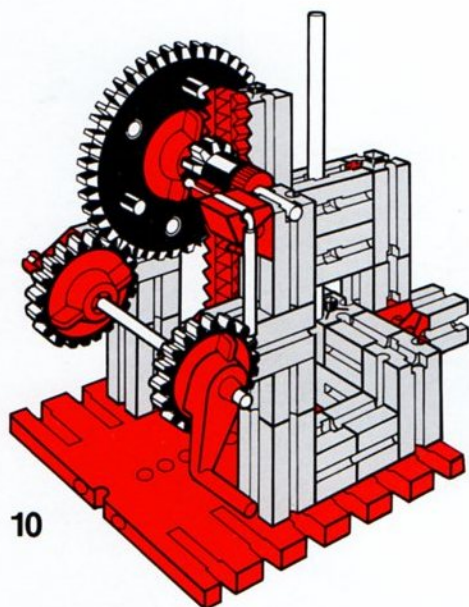


9.7

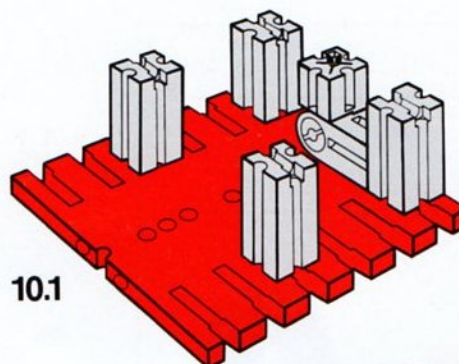


9.8

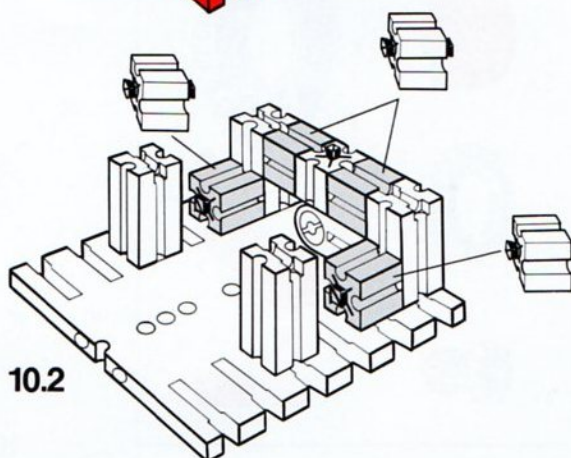
60 mm



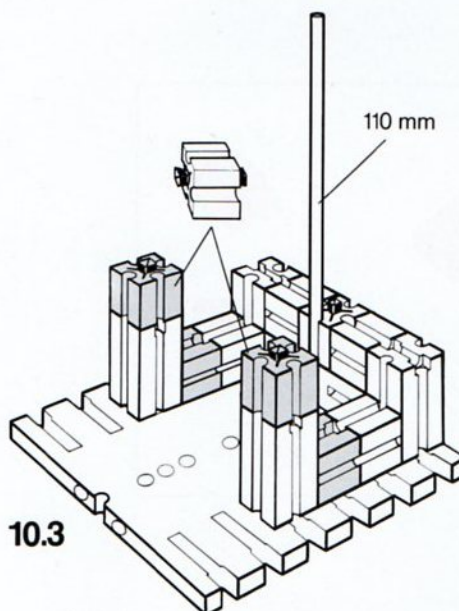
10



10.1



10.2

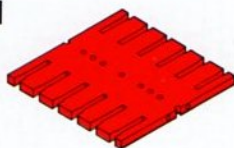


10.3

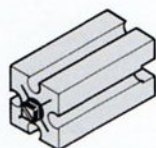
110 mm

10.1

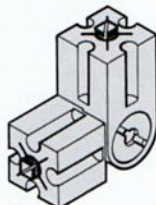
1x



4x

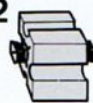


1x

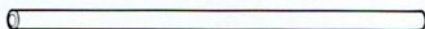


10.2

4x

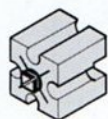


10.3



1x 110 mm

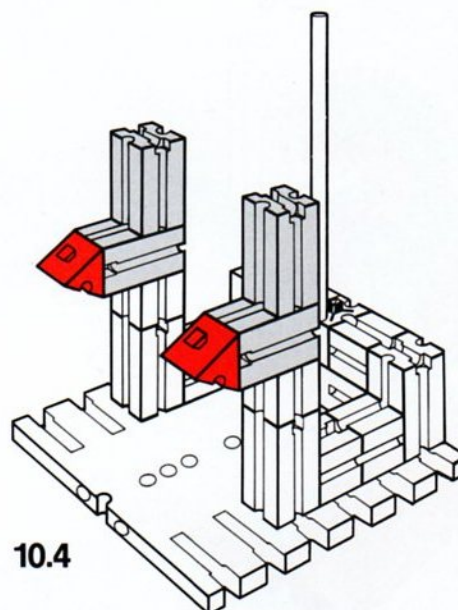
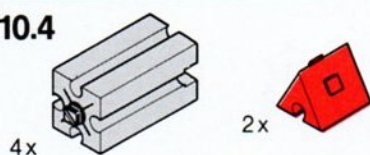
2x



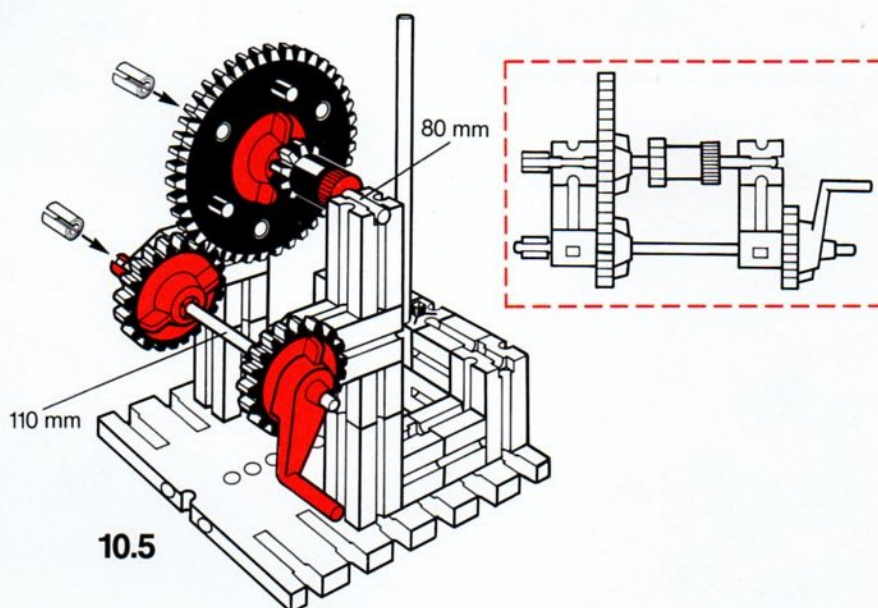
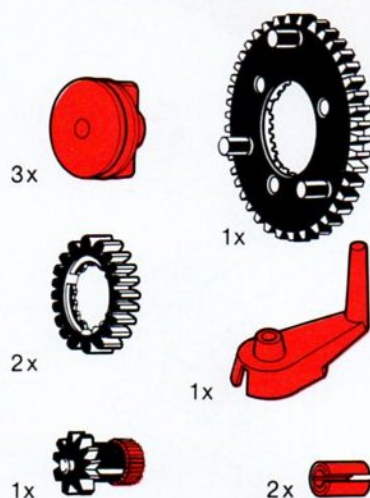
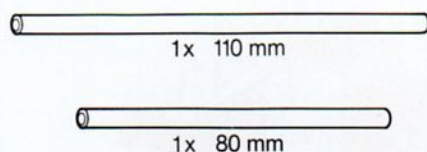
2x



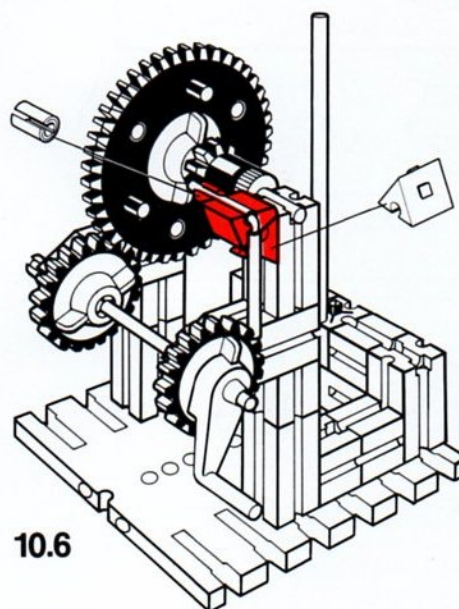
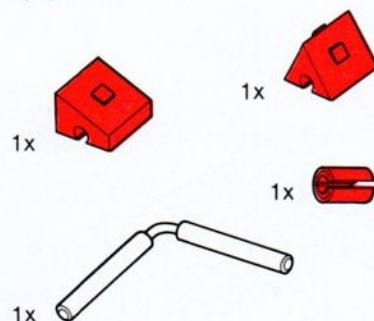
10.4



10.5



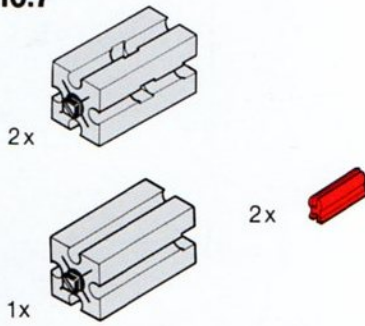
10.6



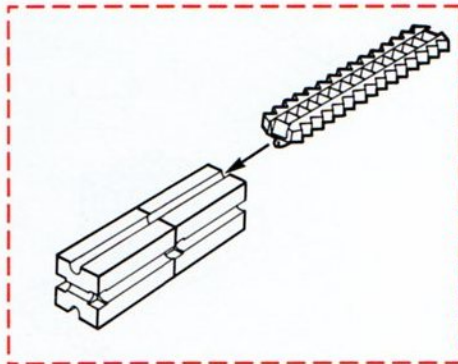
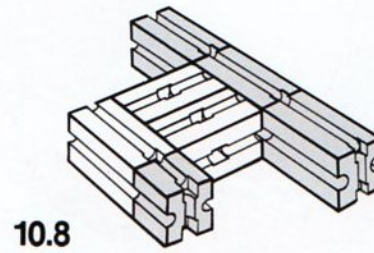
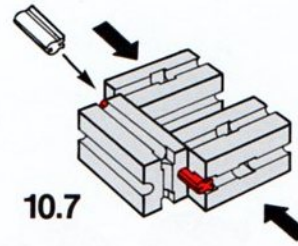
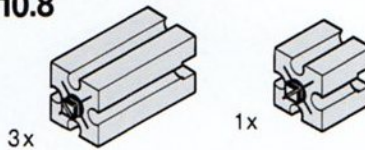
80 mm

110 mm

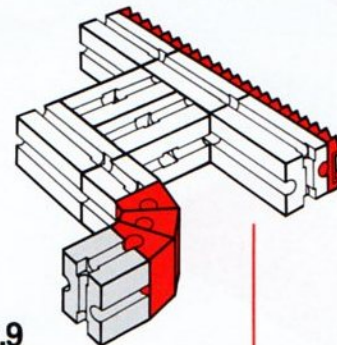
10.7



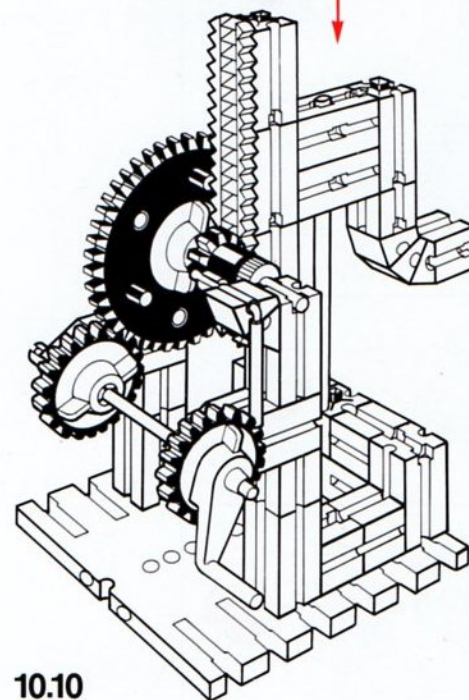
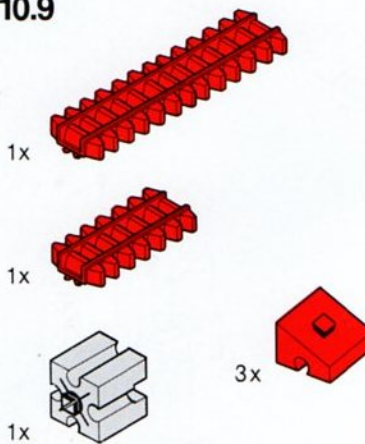
10.8

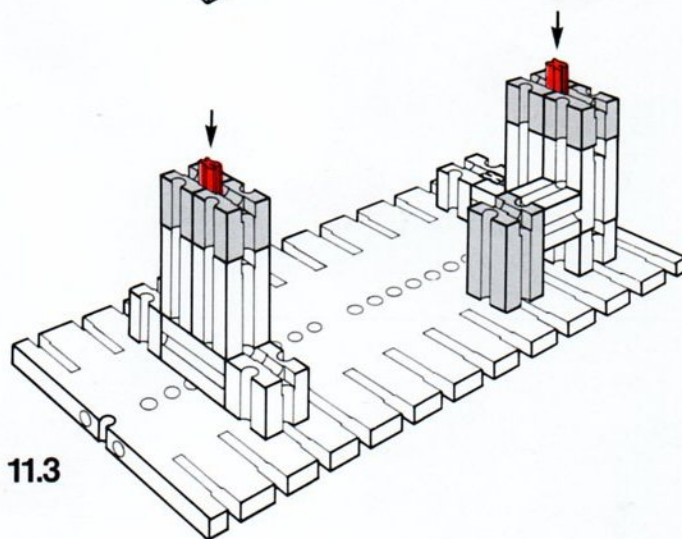
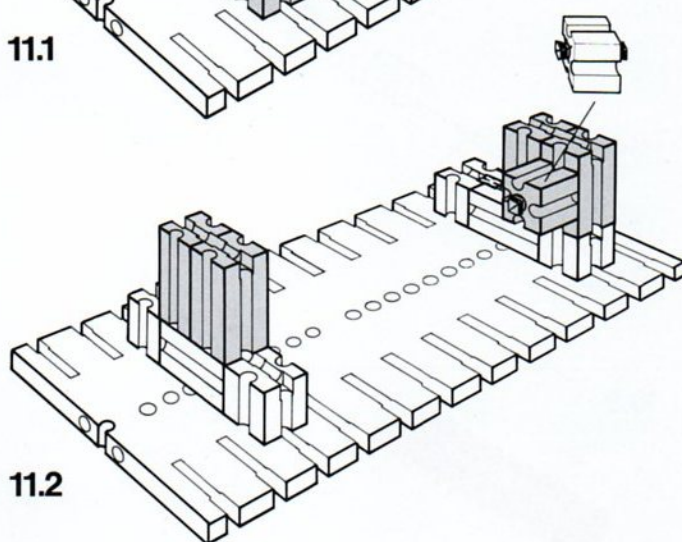
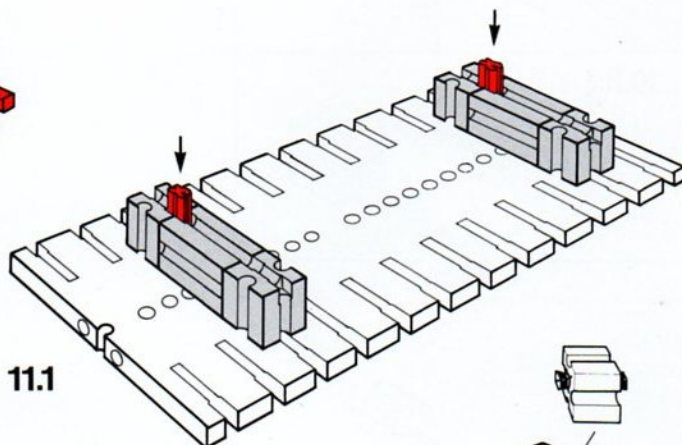
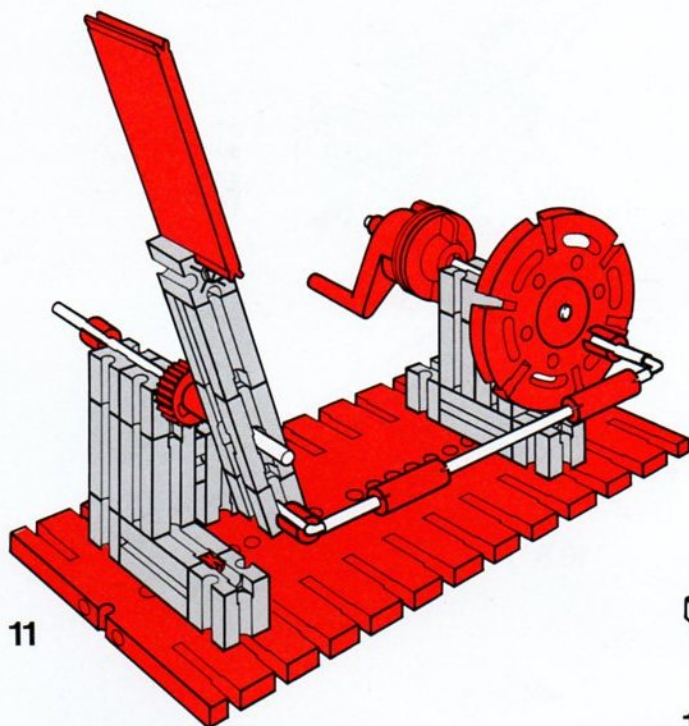


10.9

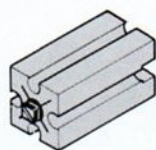
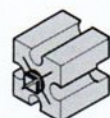
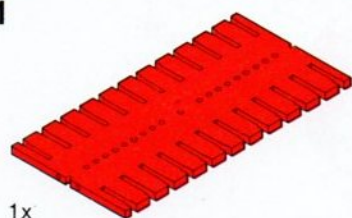


10.9

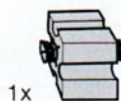
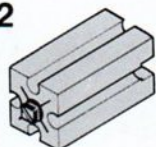




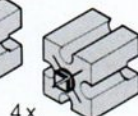
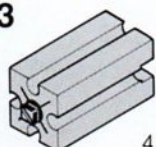
11.1

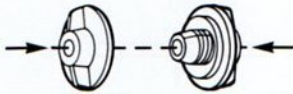


11.2

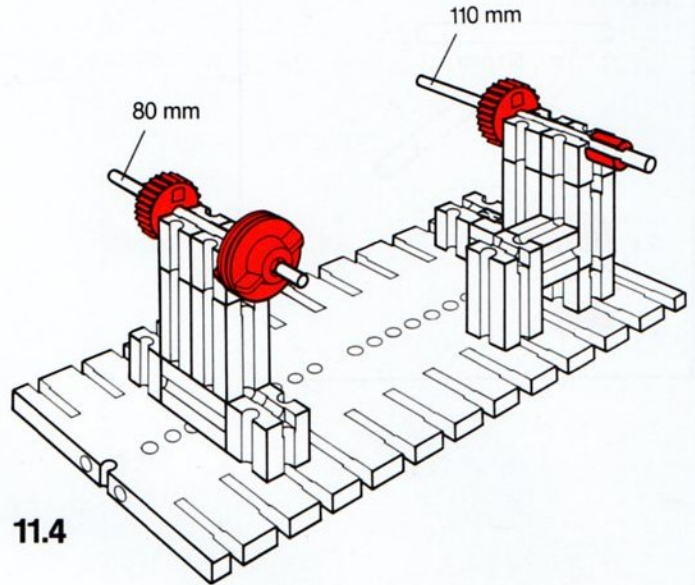
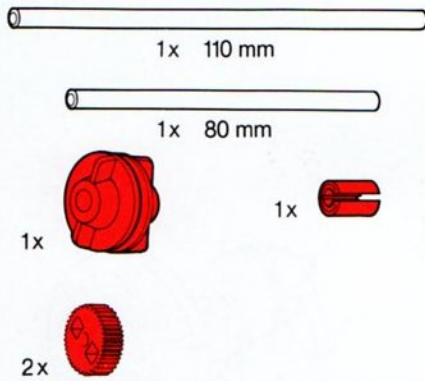


11.3



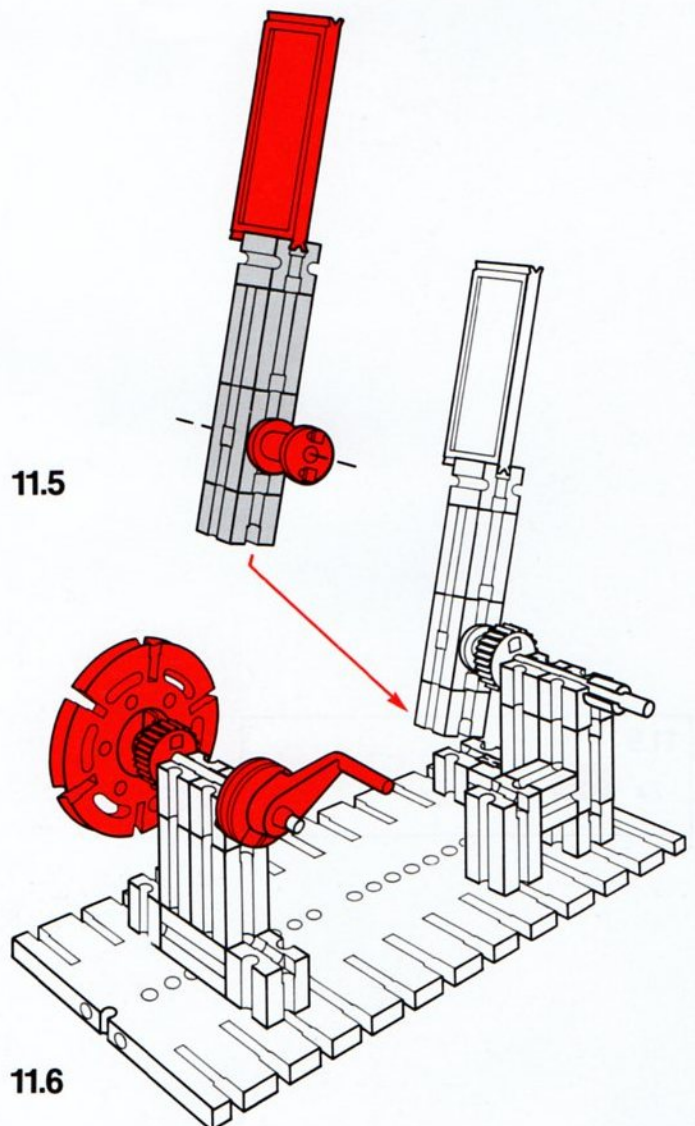
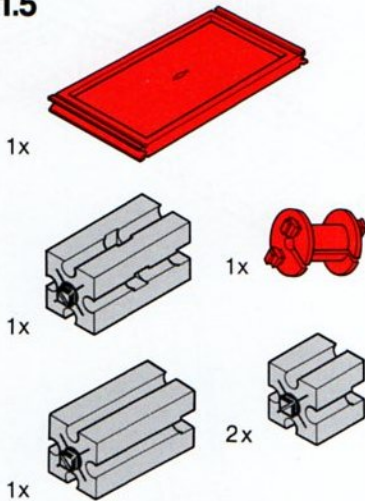


11.4



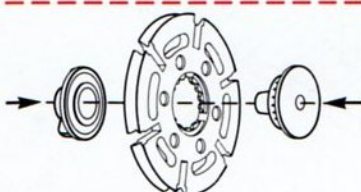
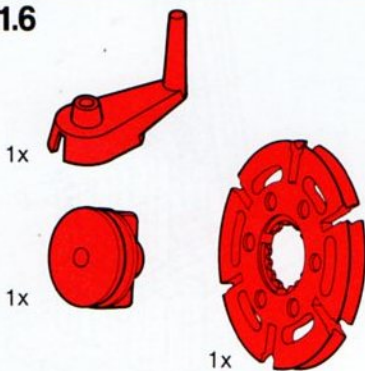
11.4

11.5



11.5

11.6

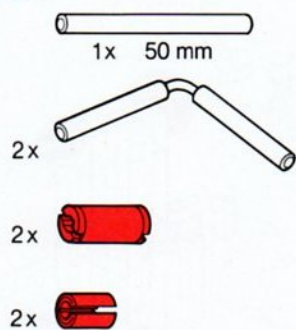


80 mm

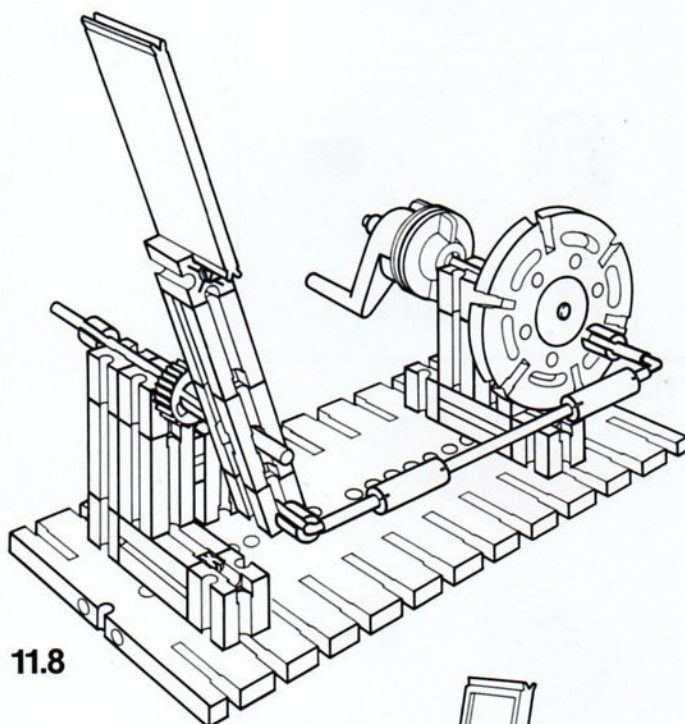
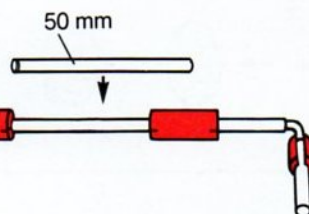
110 mm

11.6

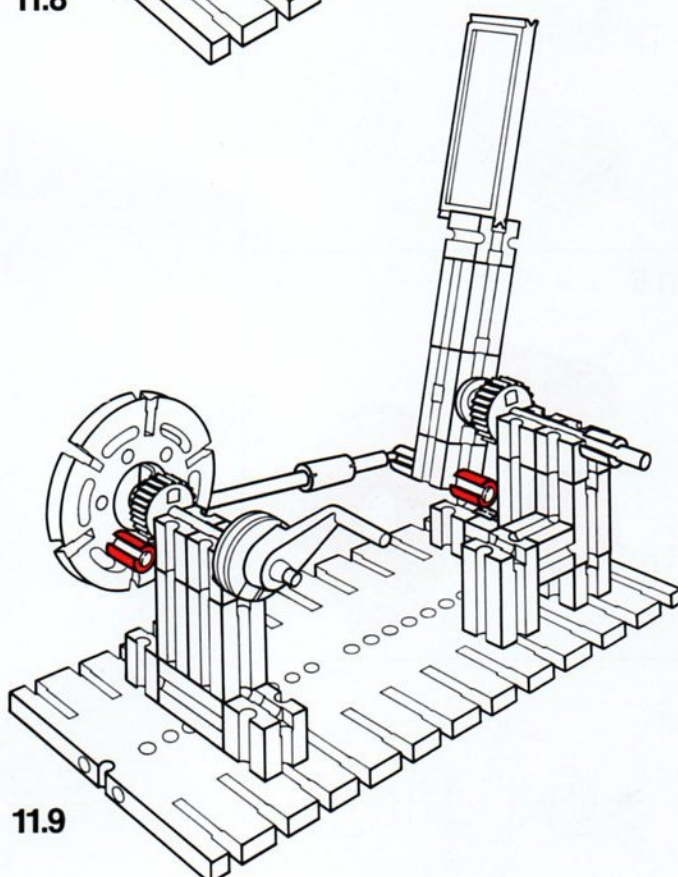
11.7



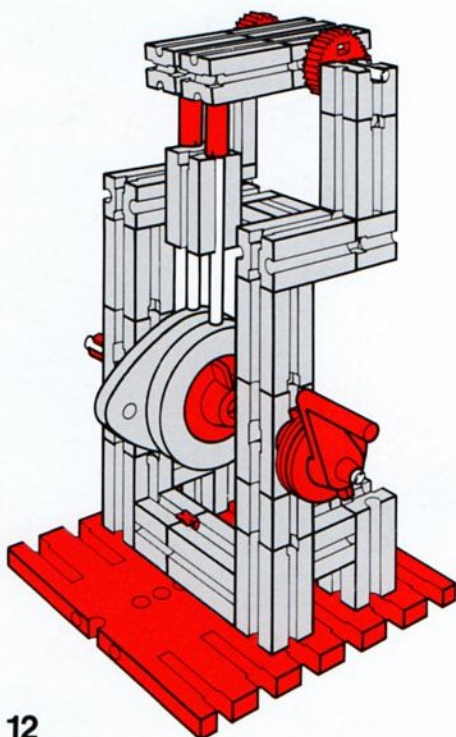
11.7



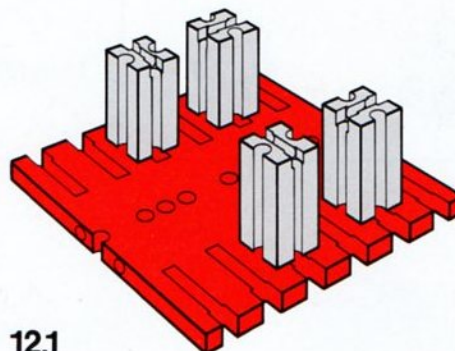
11.9



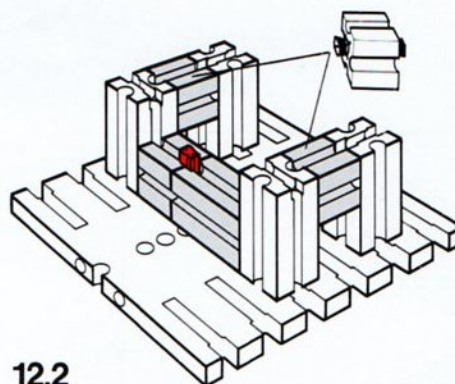
50 mm



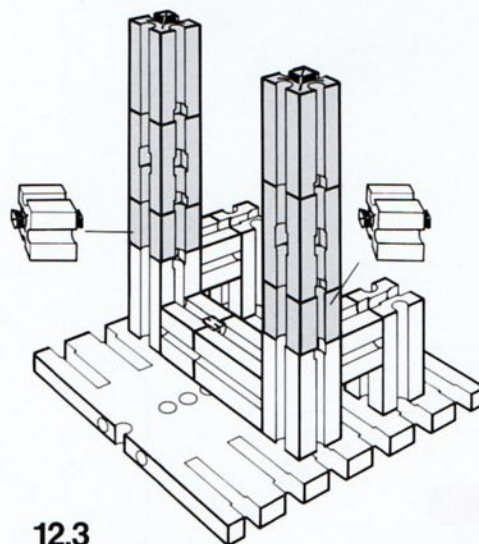
12



12.1

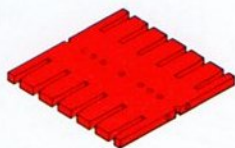


12.2

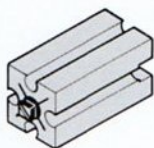


12.3

12.1

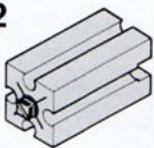


1x



4x

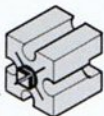
12.2



1x



1x

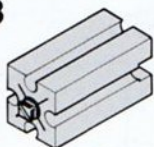


1x



2x

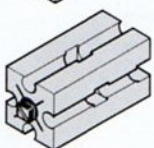
12.3



2x



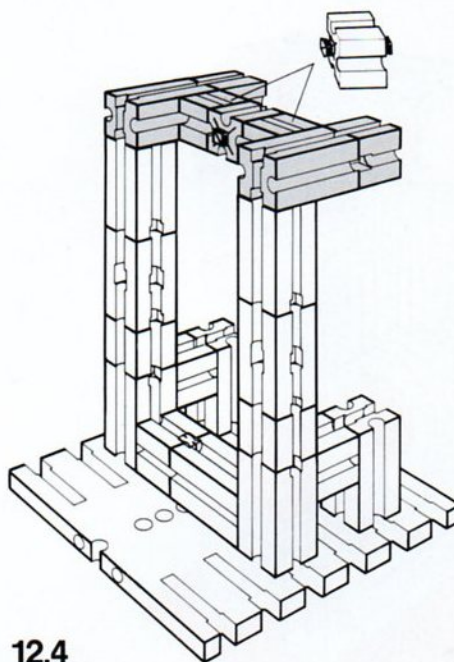
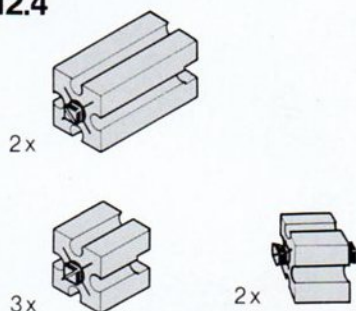
2x



2x

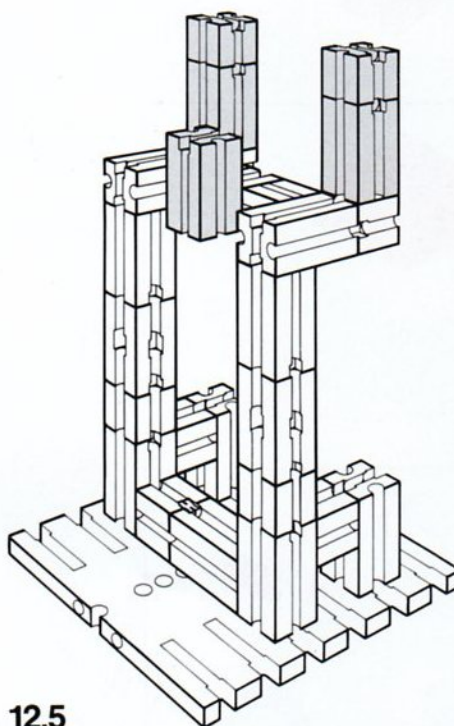
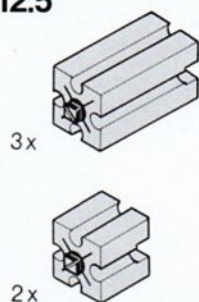


12.4



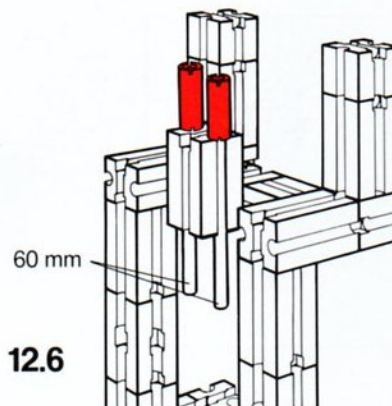
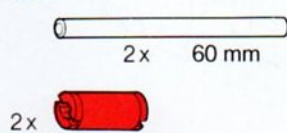
12.4

12.5



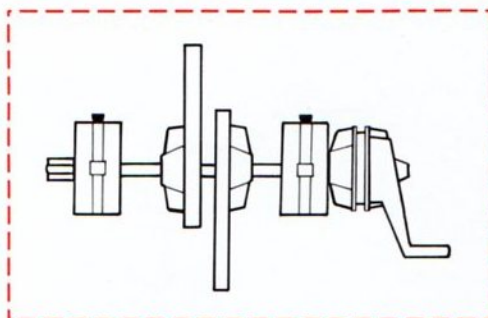
12.5

12.6

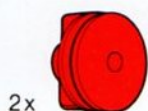


12.6

60 mm

**12.7**

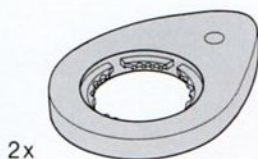
1x 110 mm



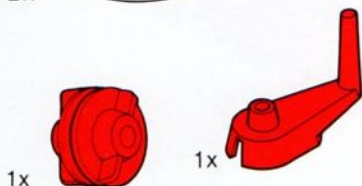
2x



1x



2x



1x

1x

12.8

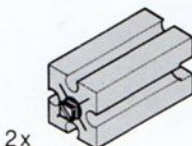
1x 80 mm



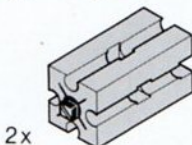
2x



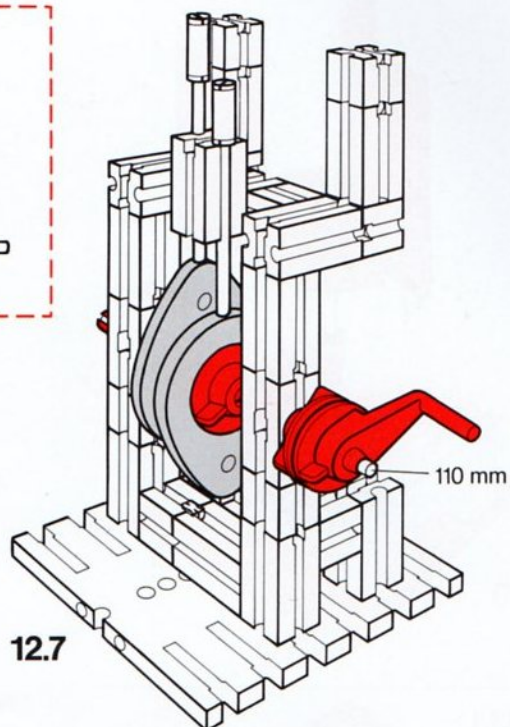
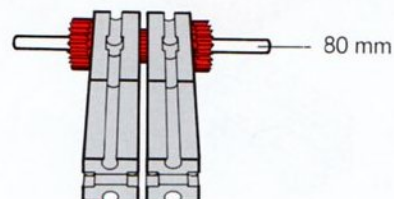
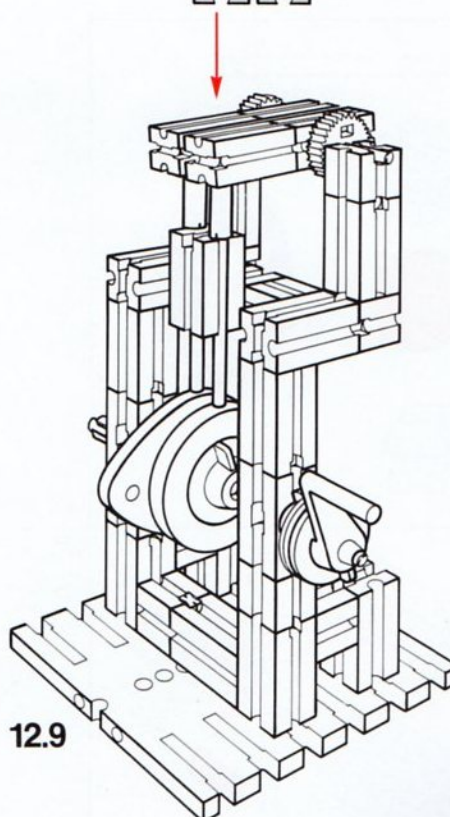
1x

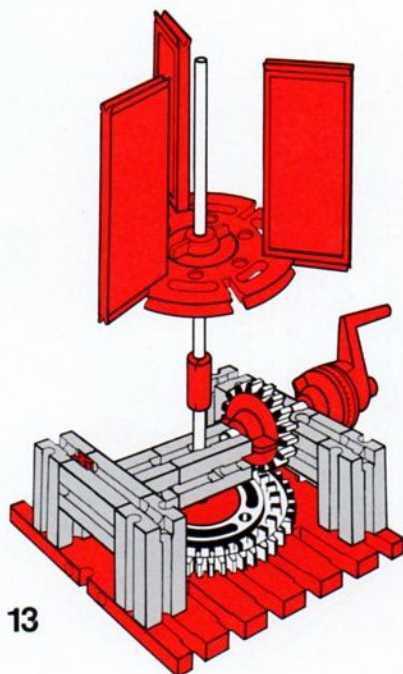


2x



2x

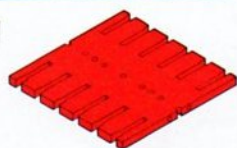
**12.7****12.8****12.9**



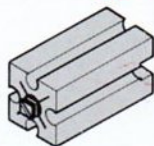
13

13.1

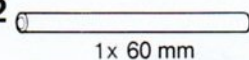
1x



4x

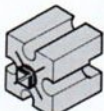


13.2

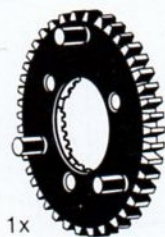


1x 60 mm

1x

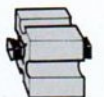


1x



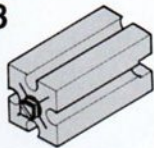
1x

2x

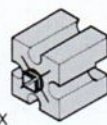


13.3

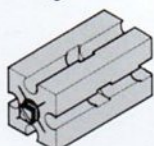
1x



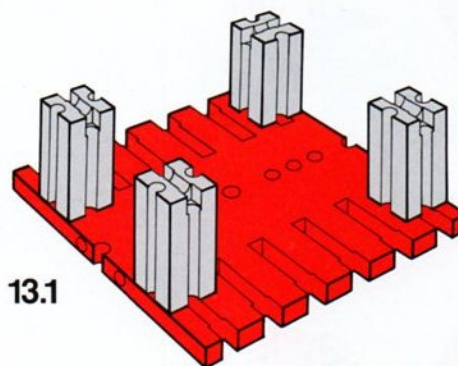
1x



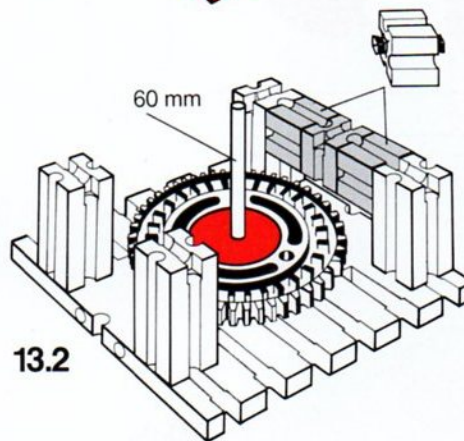
1x



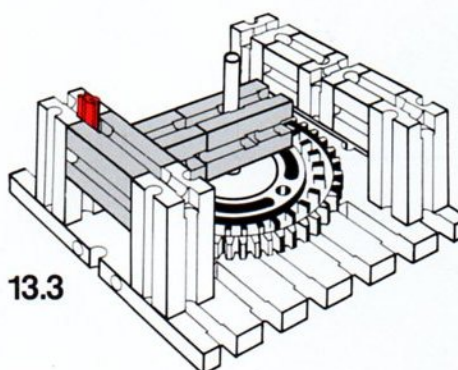
1x



13.1



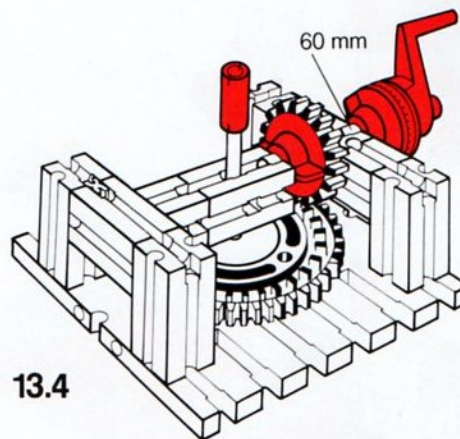
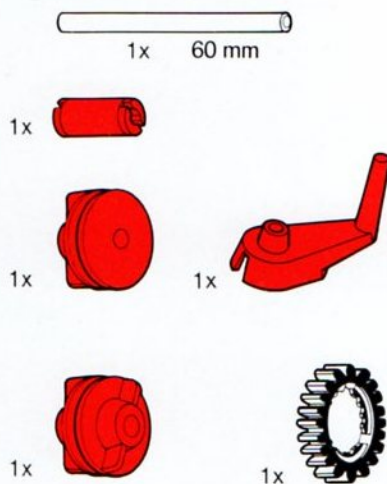
13.2



13.3

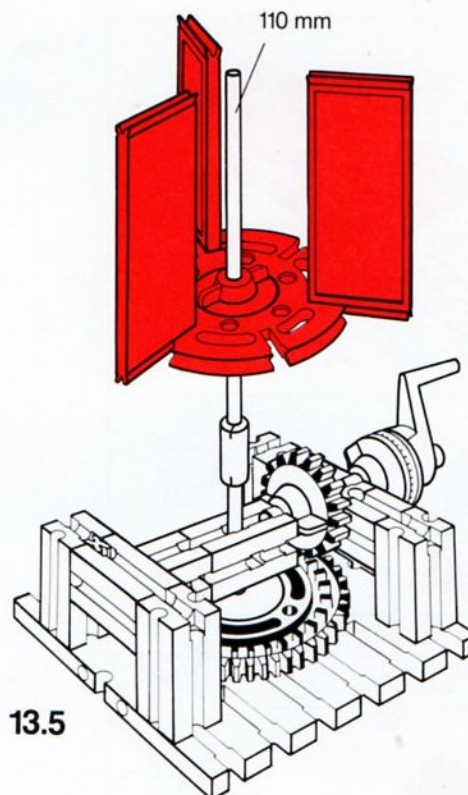
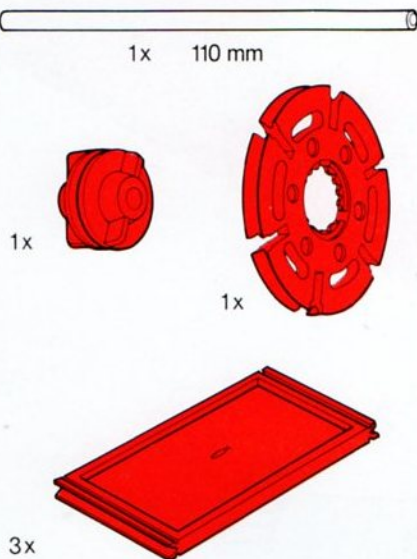
60 mm

13.4



13.4

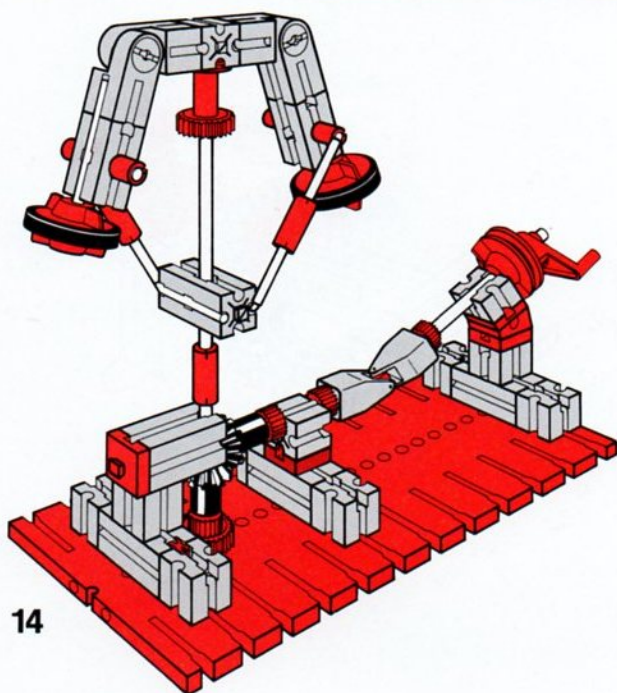
13.5



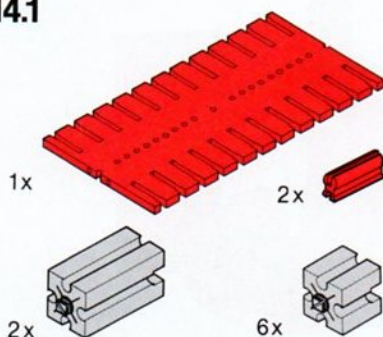
13.5

60 mm

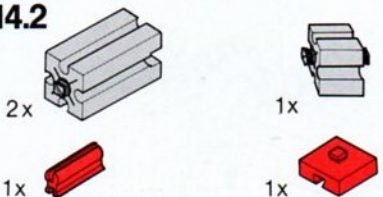
110 mm



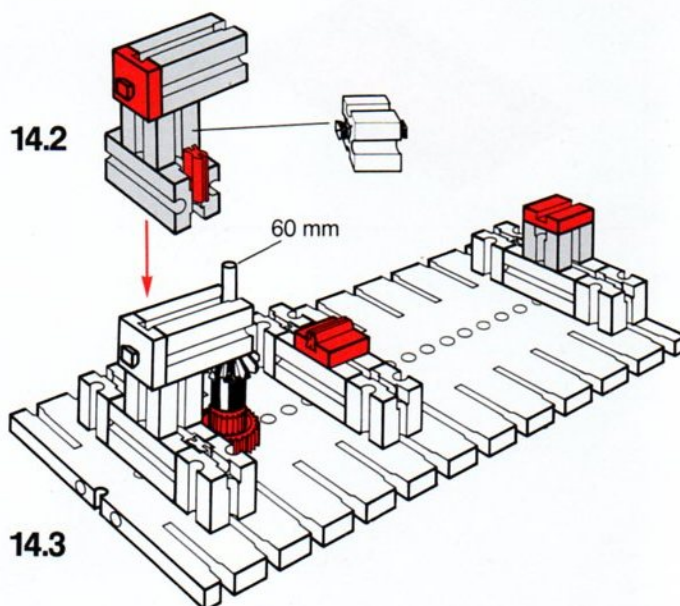
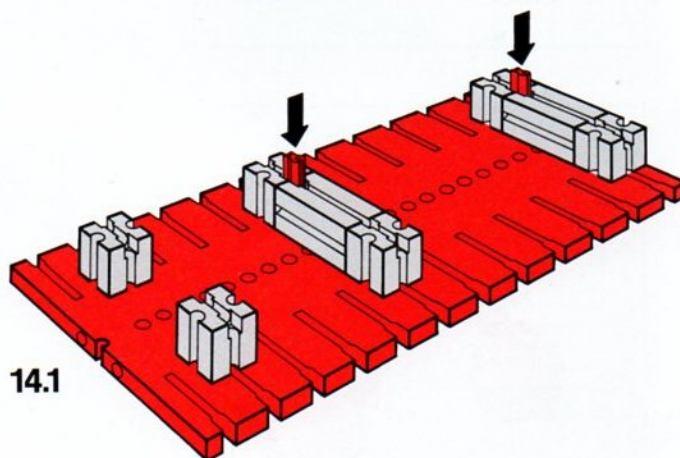
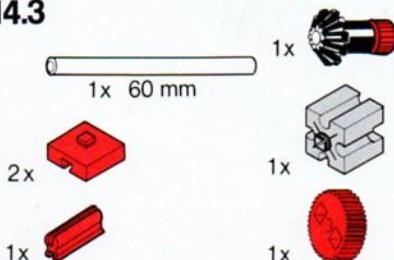
14.1



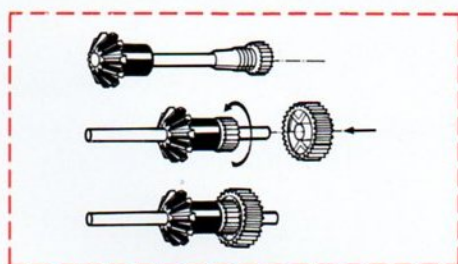
14.2



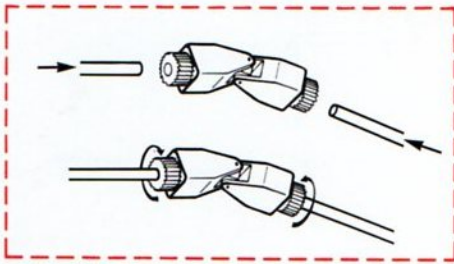
14.3



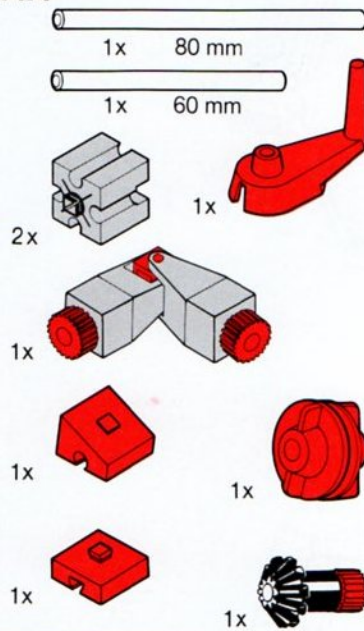
14.3



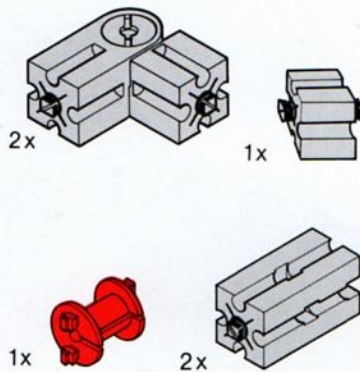
60 mm



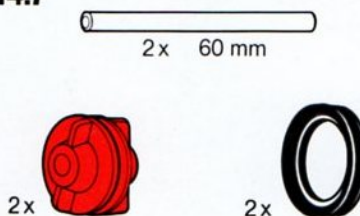
14.4



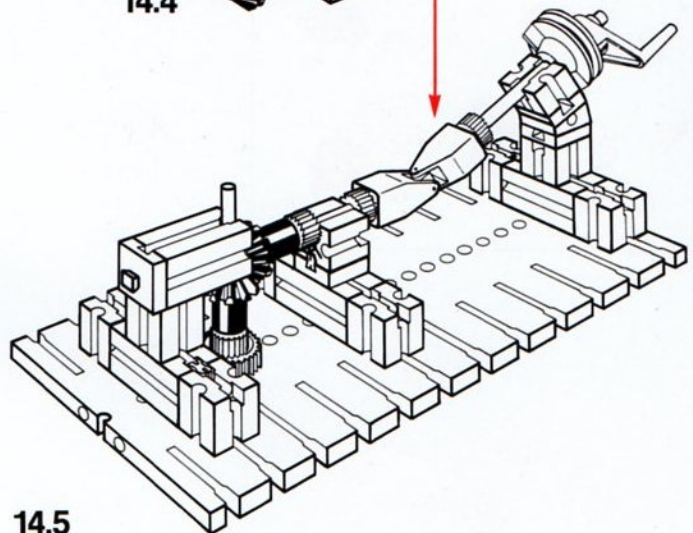
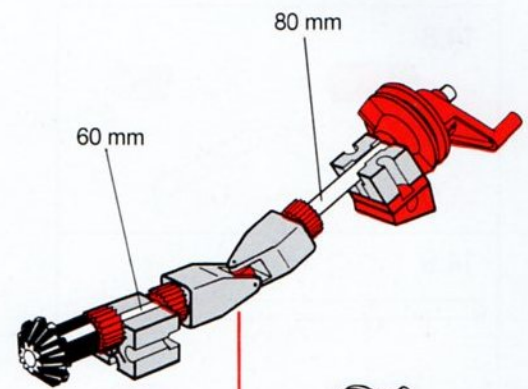
14.6



14.7

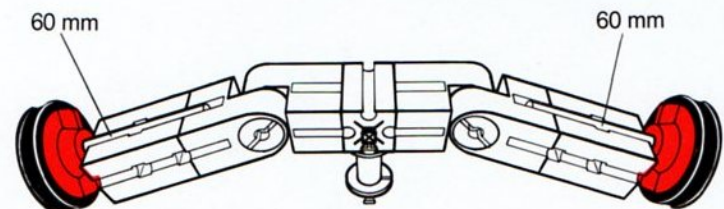
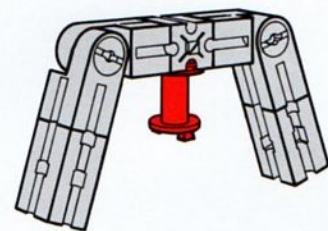


14.4



14.5

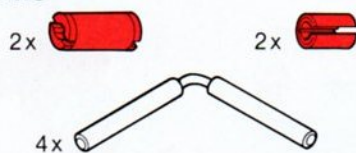
14.6



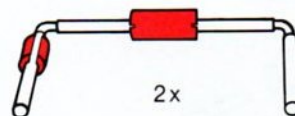
14.7



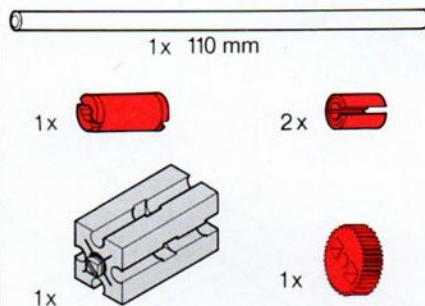
14.8



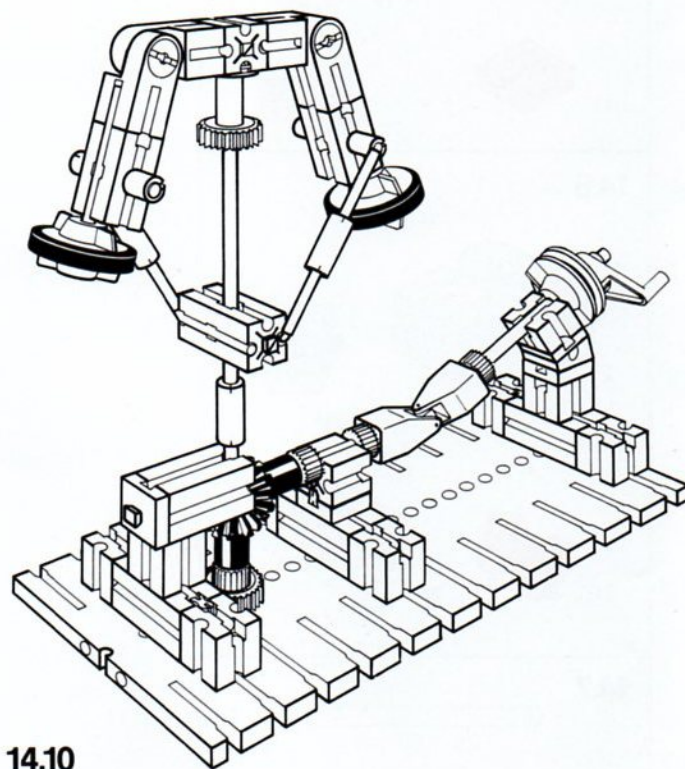
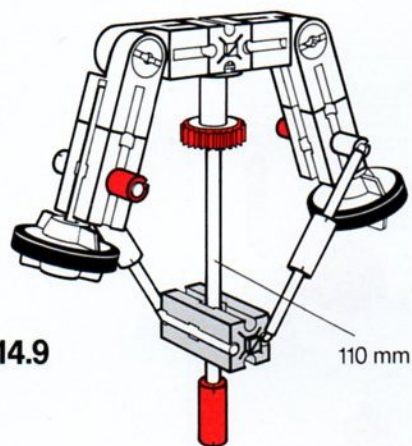
14.8



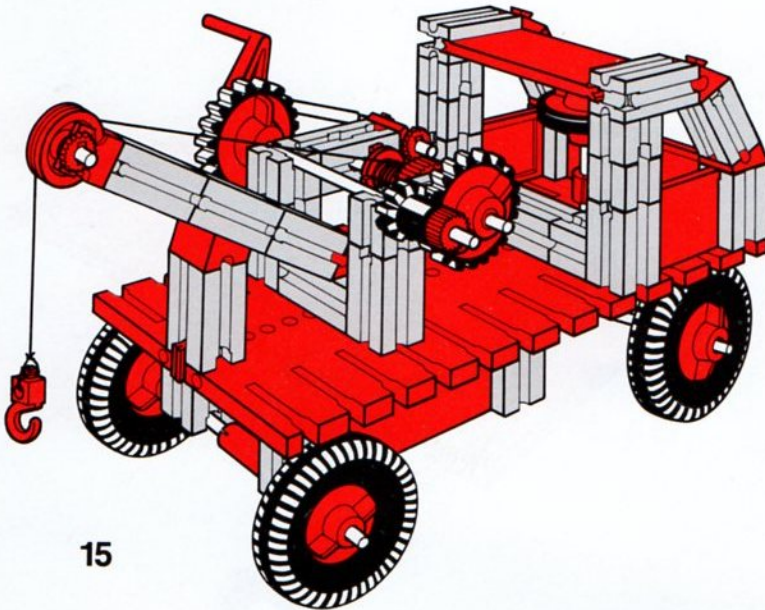
14.9



14.9

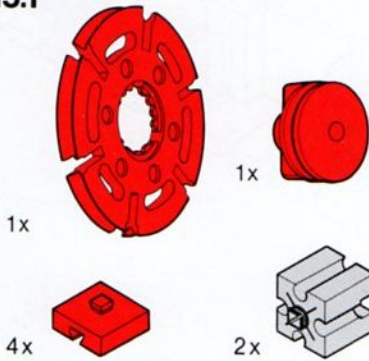


110 mm



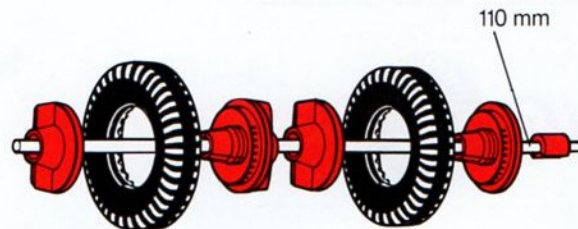
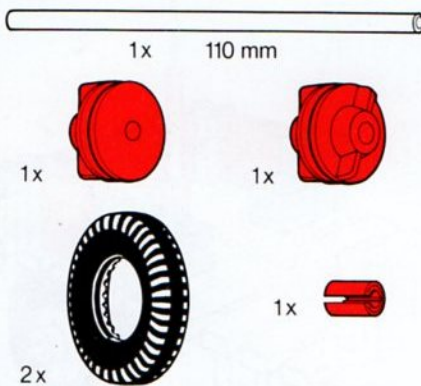
15

15.1



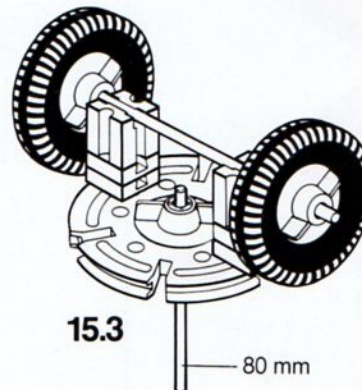
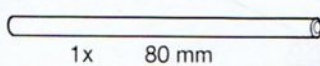
15.1

15.2



15.2

15.3



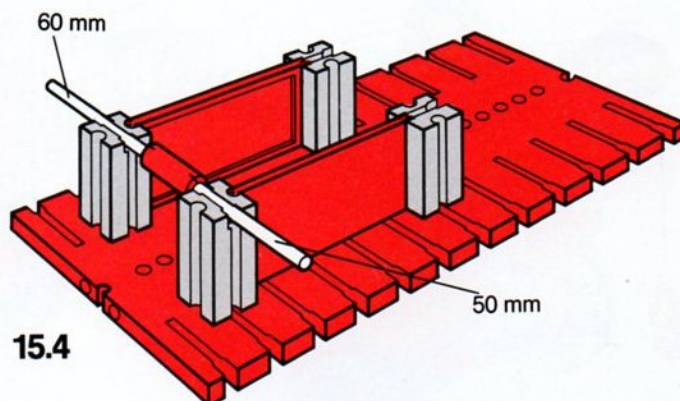
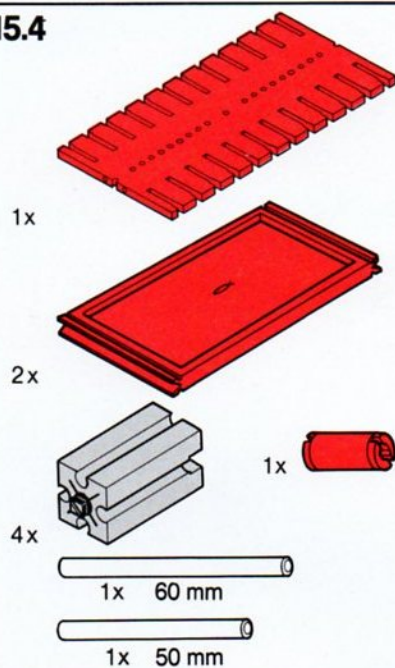
15.3

80 mm

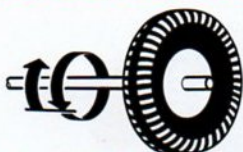
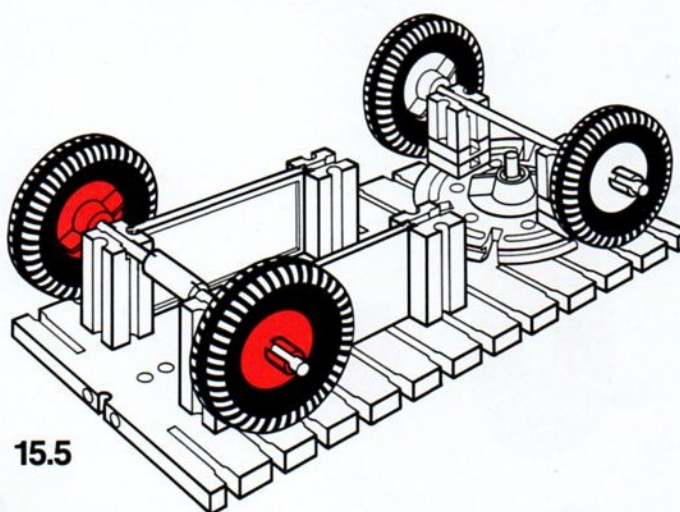
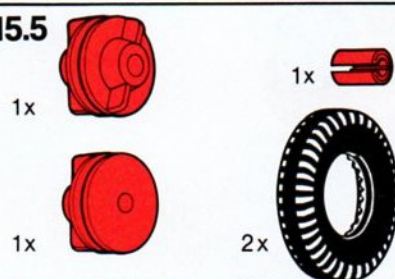
110 mm



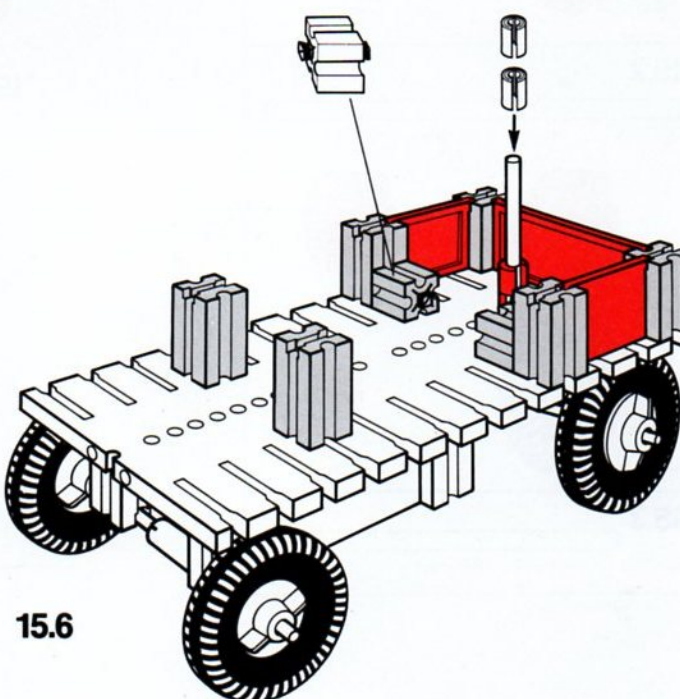
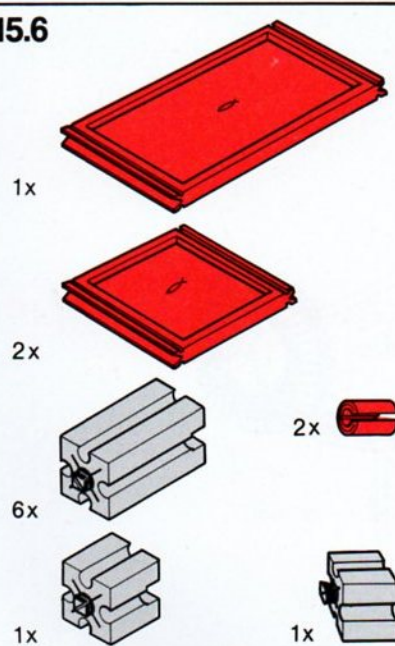
15.4



15.5

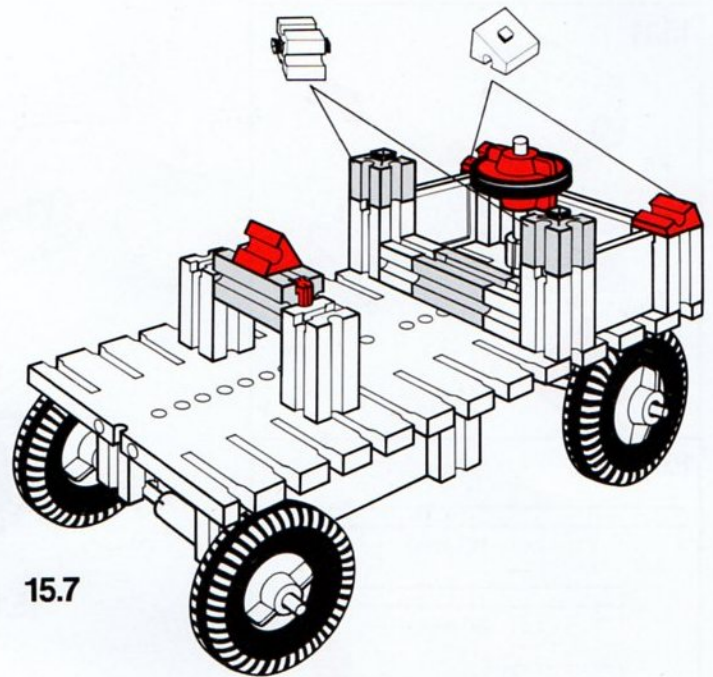
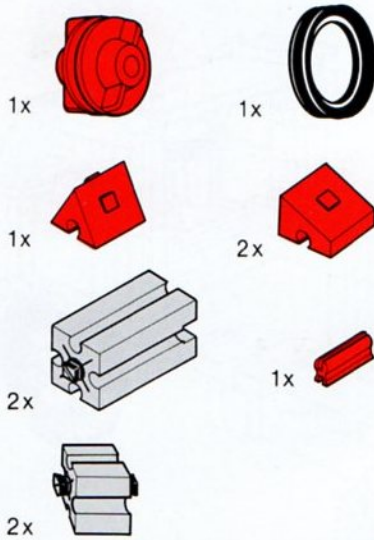


15.6

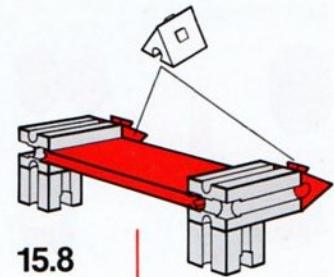
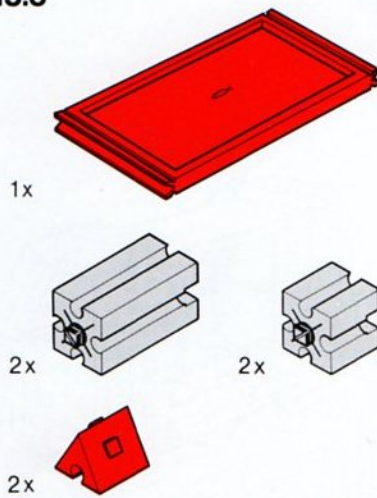


50 mm 60 mm

15.7

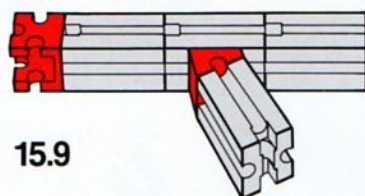
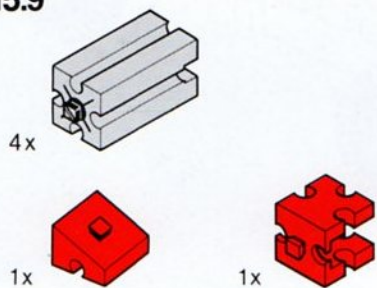


15.8

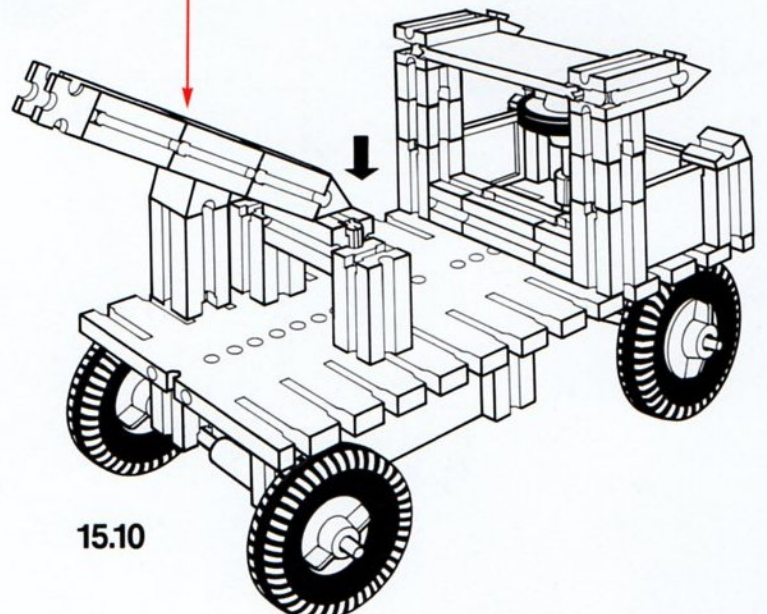


15.8

15.9

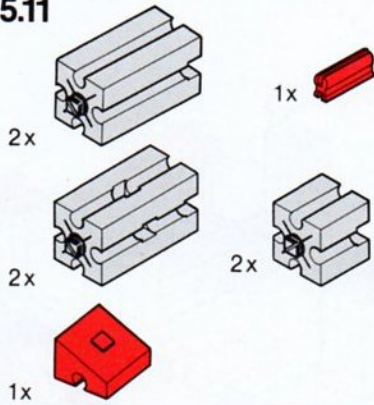


15.9

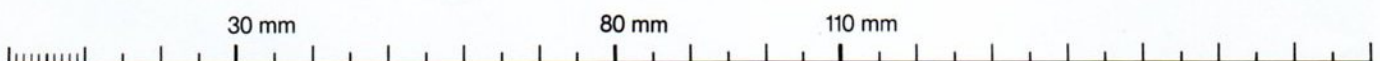
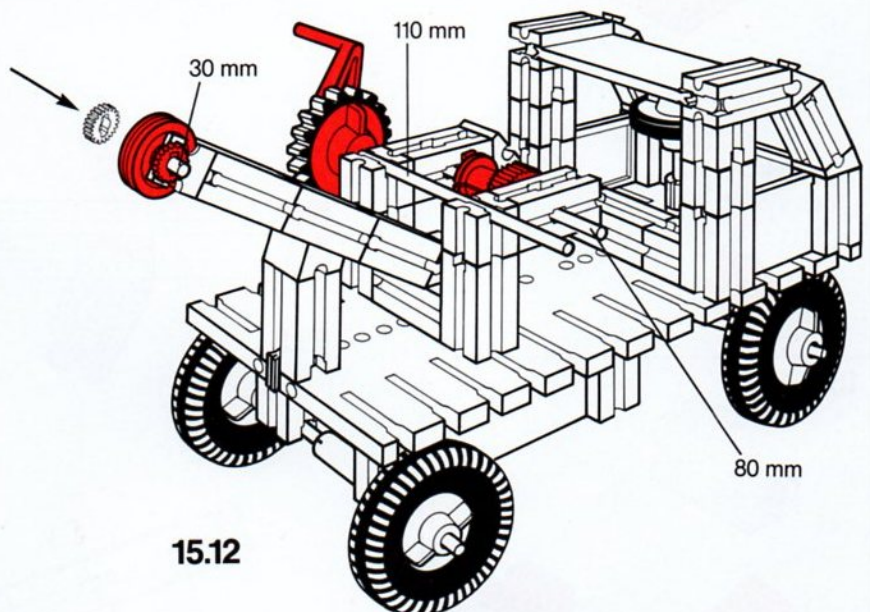
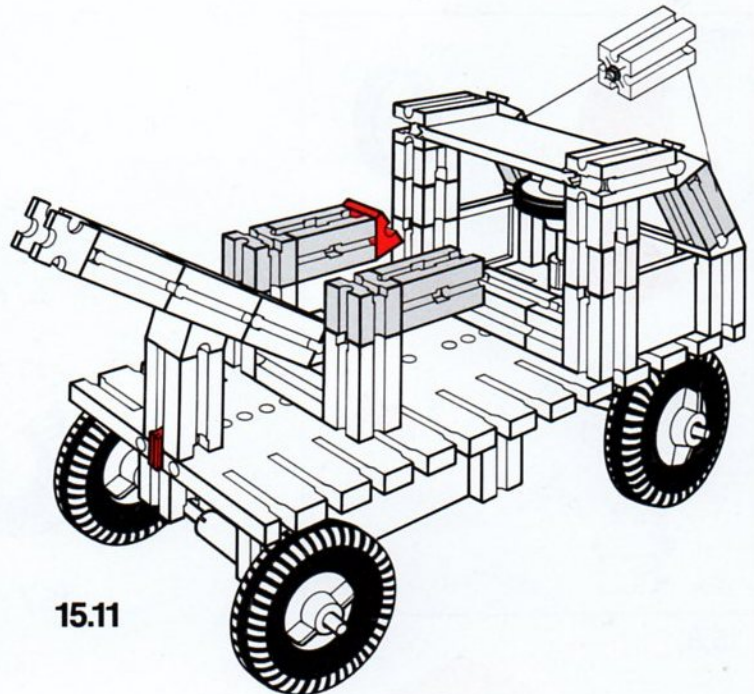
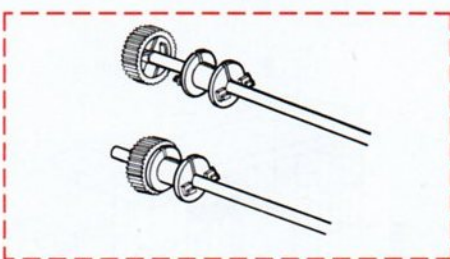
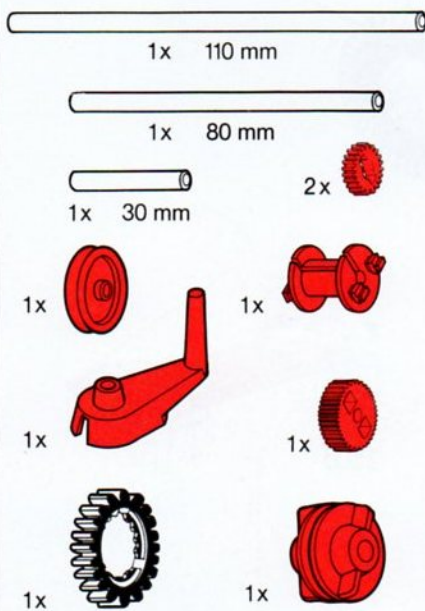


15.10

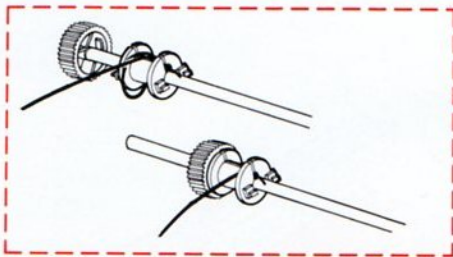
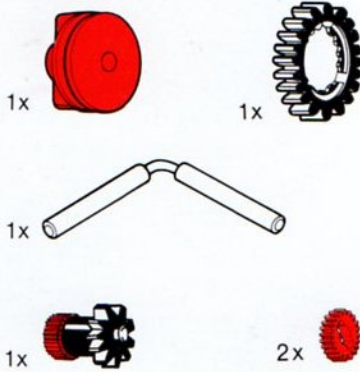
15.11



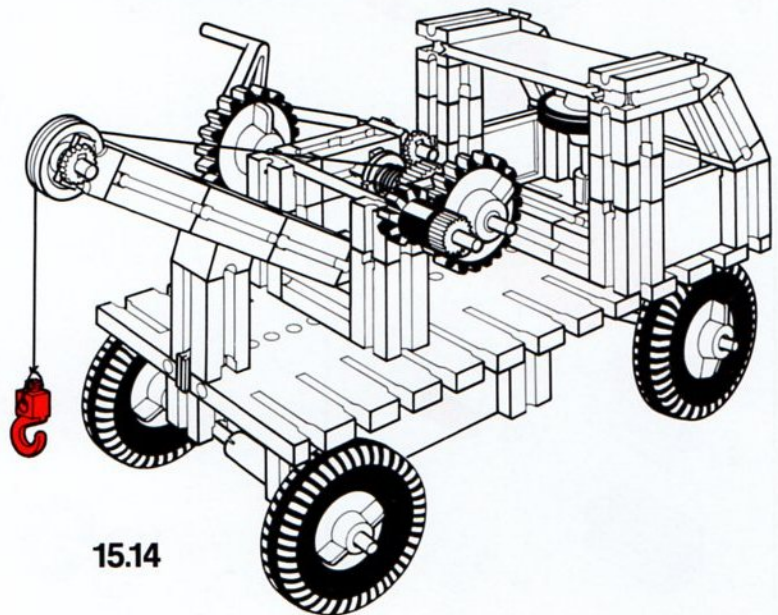
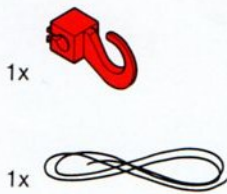
15.12



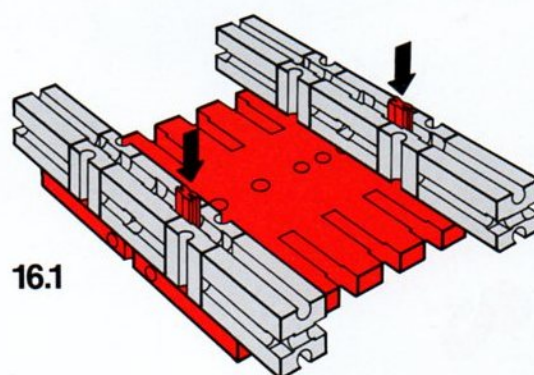
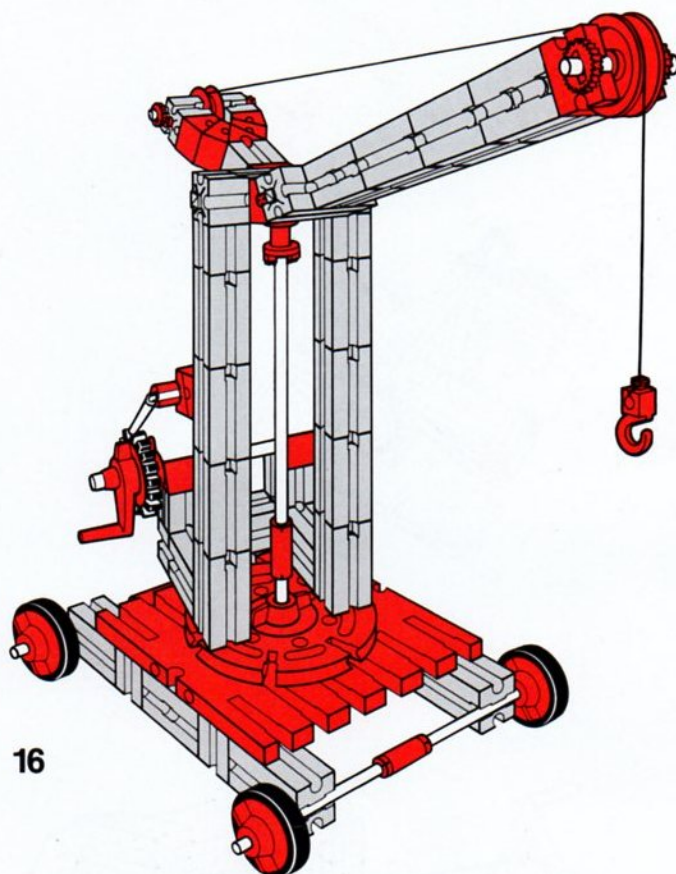
15.13



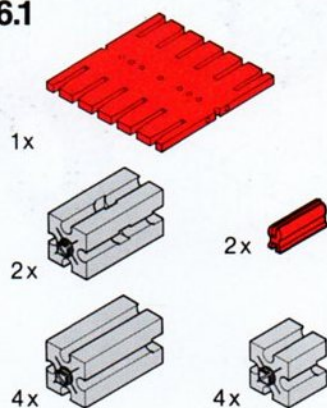
15.14



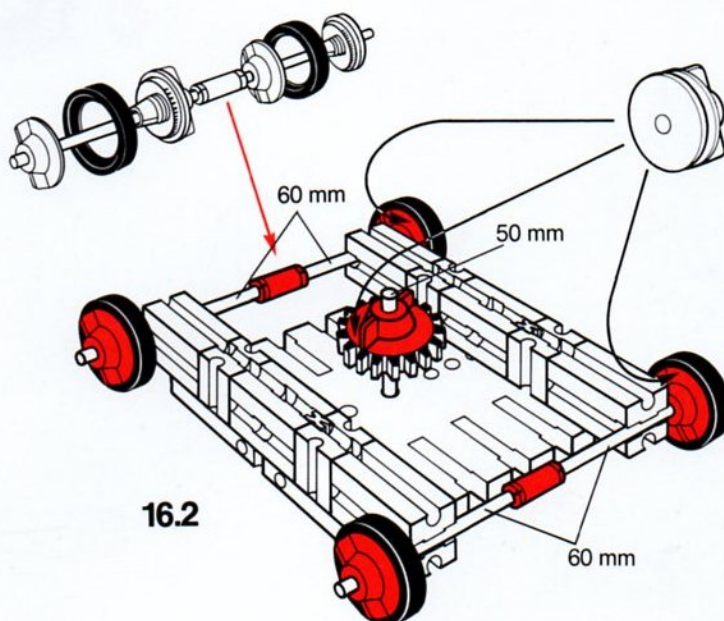
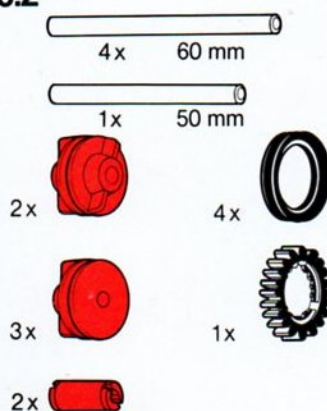
15.14



16.1

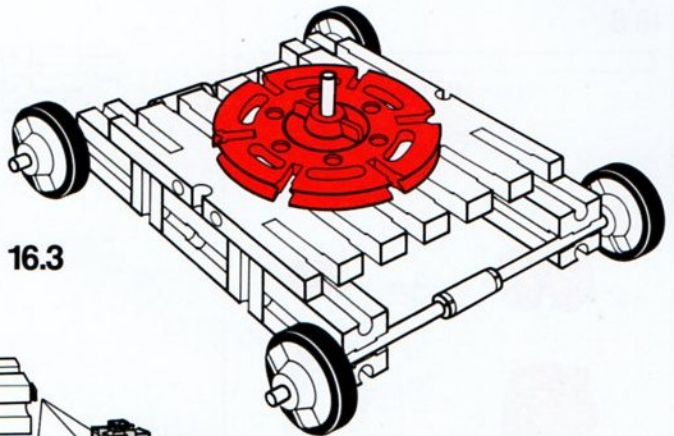
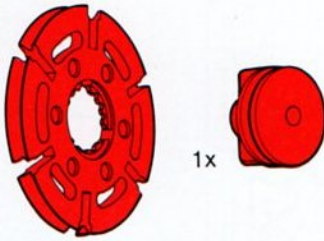


16.2

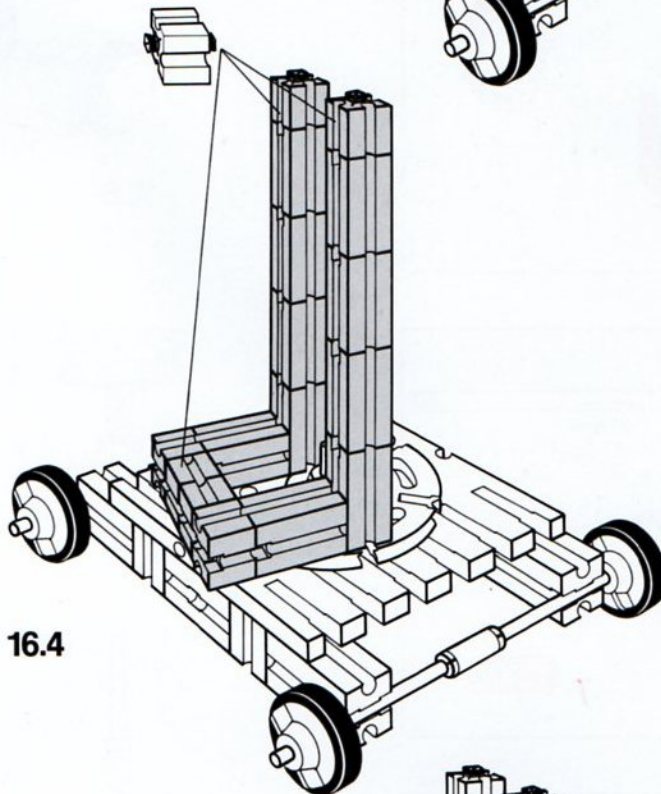
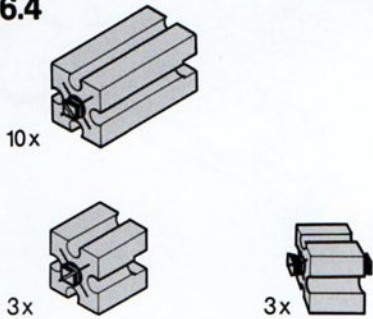


50 mm 60 mm

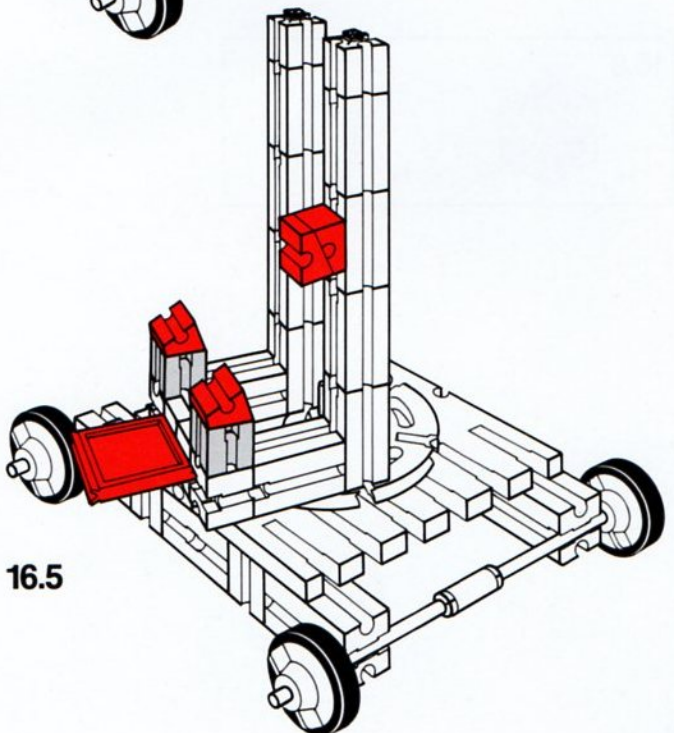
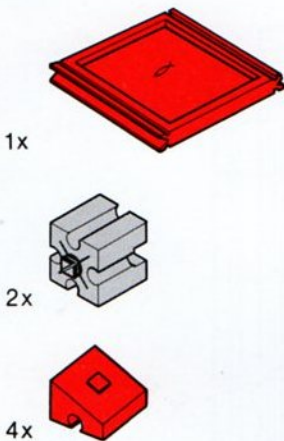
16.3



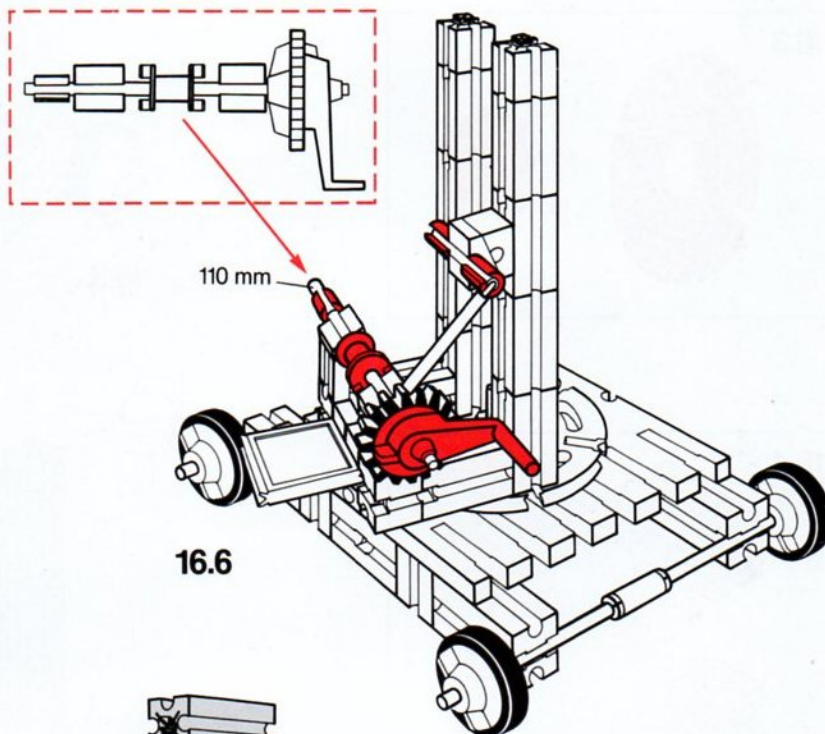
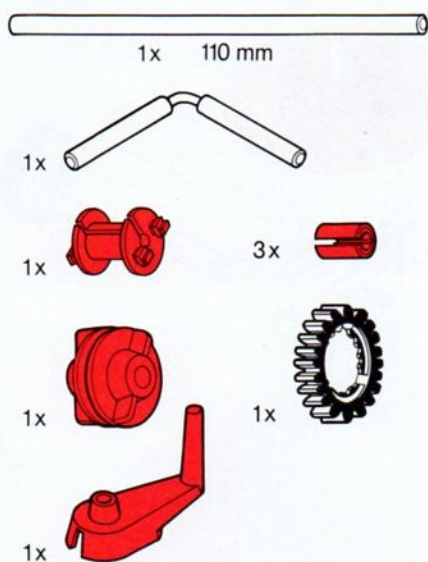
16.4



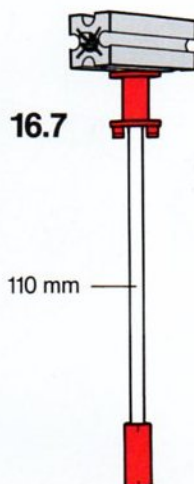
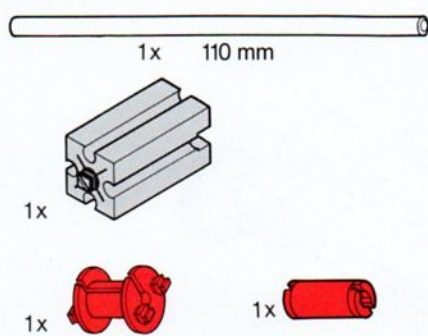
16.5



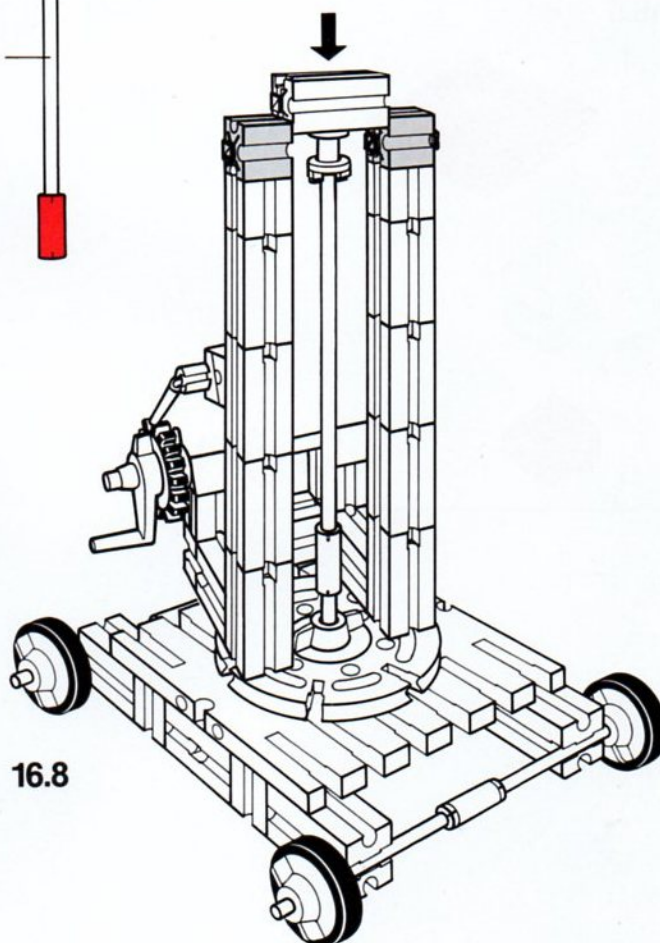
16.6



16.7



16.8

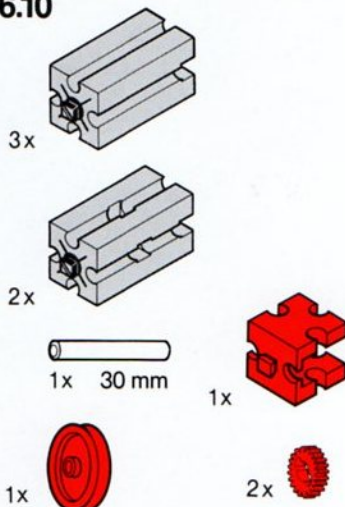


110 mm

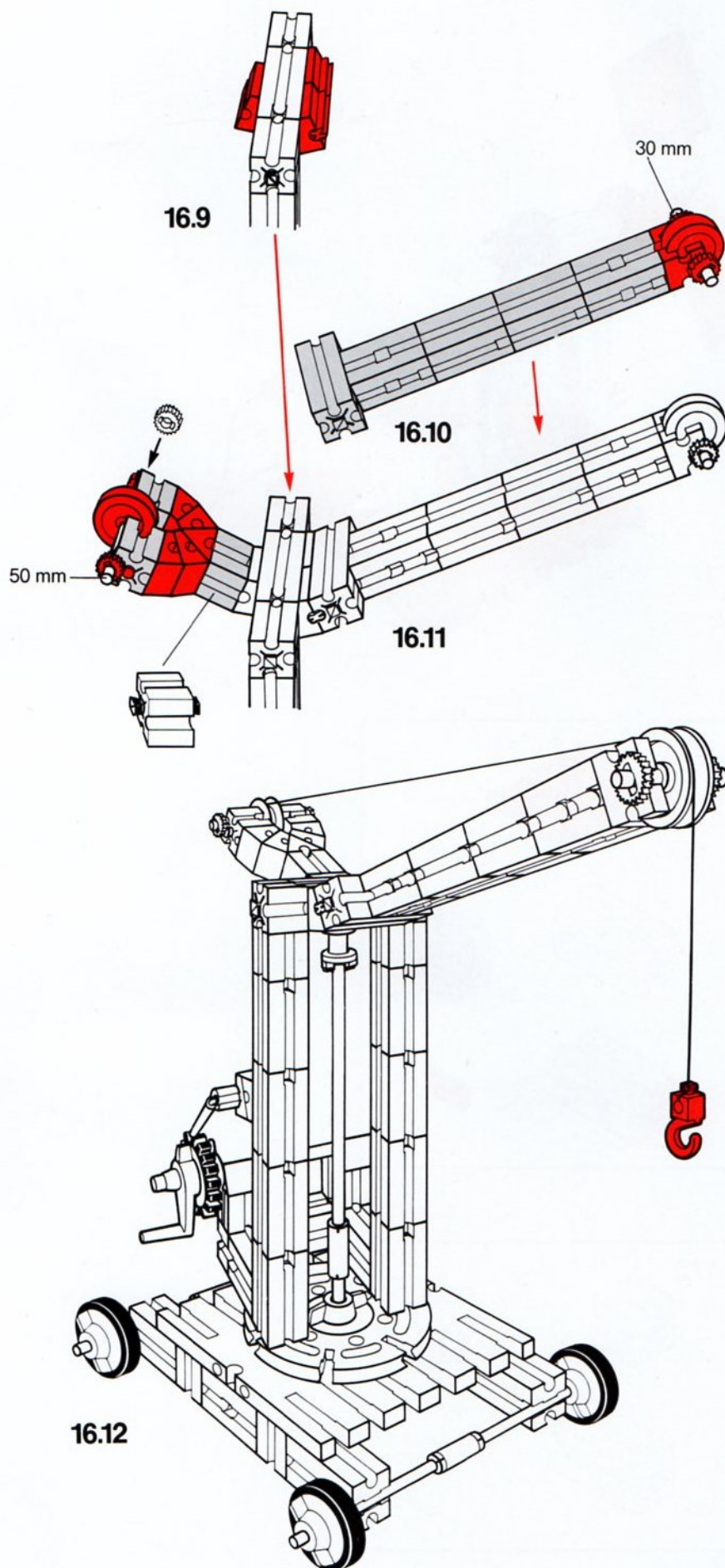
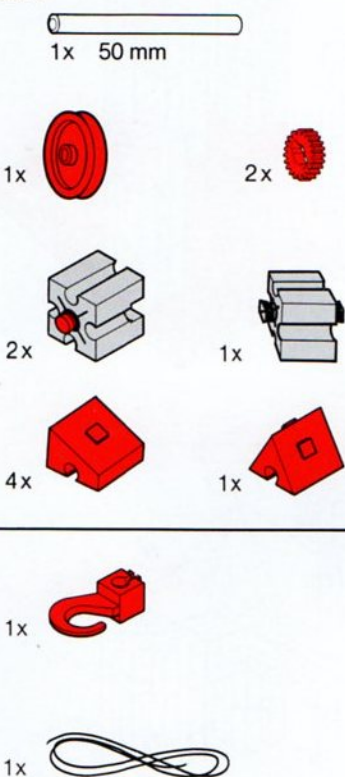
16.9

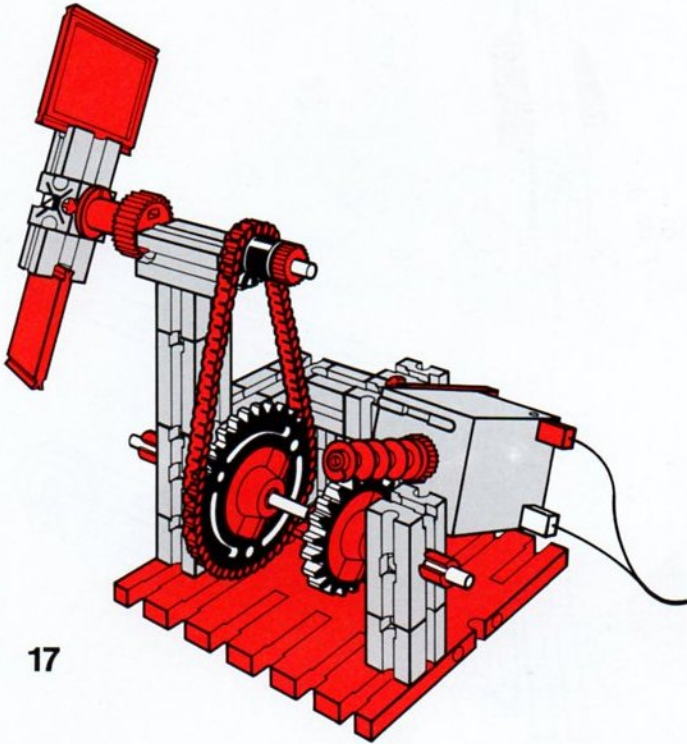


16.10



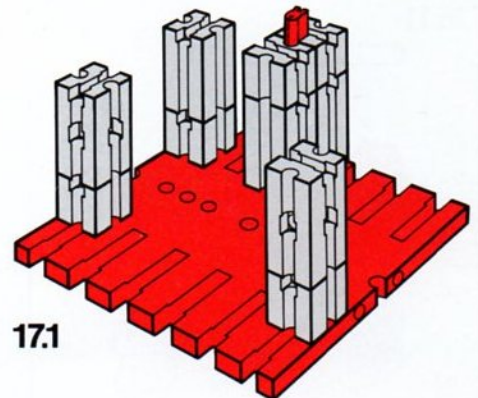
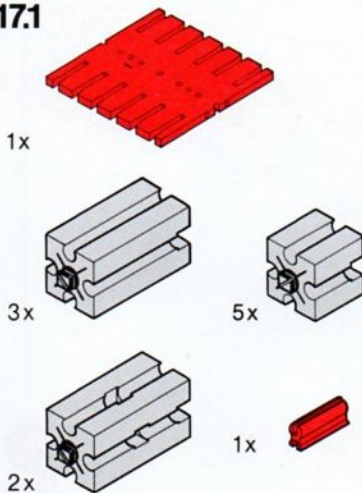
16.11





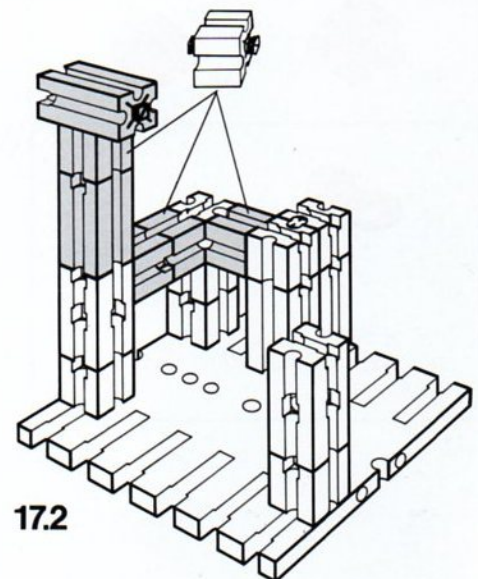
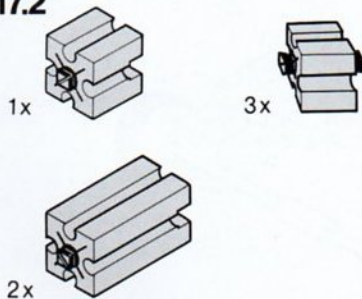
17

17.1



17.1

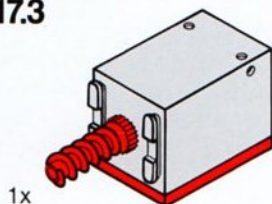
17.2



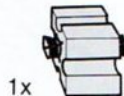
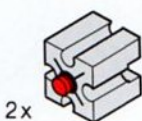
17.2



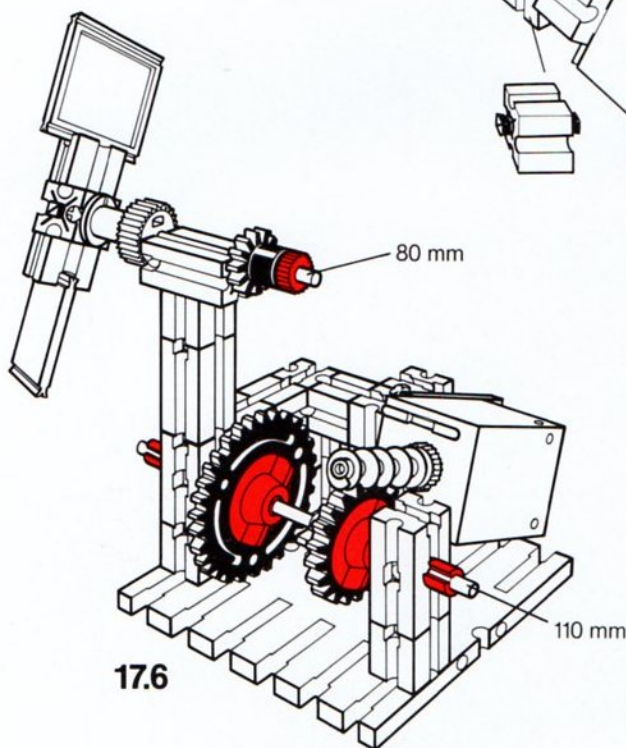
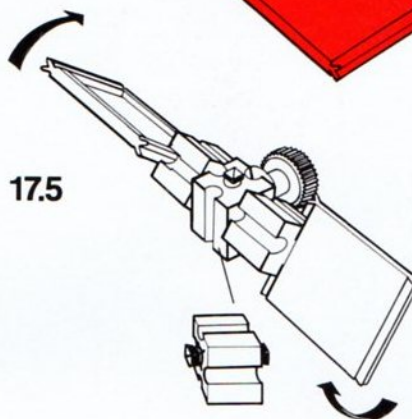
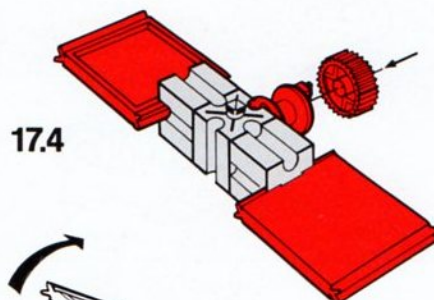
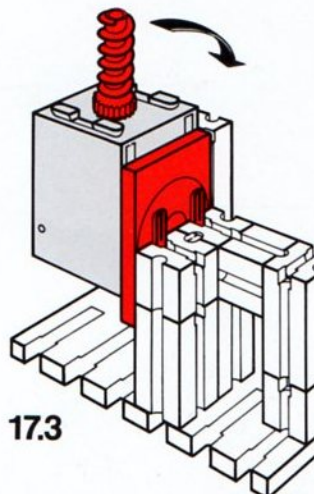
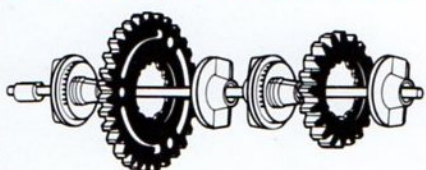
17.3



17.4



17.6

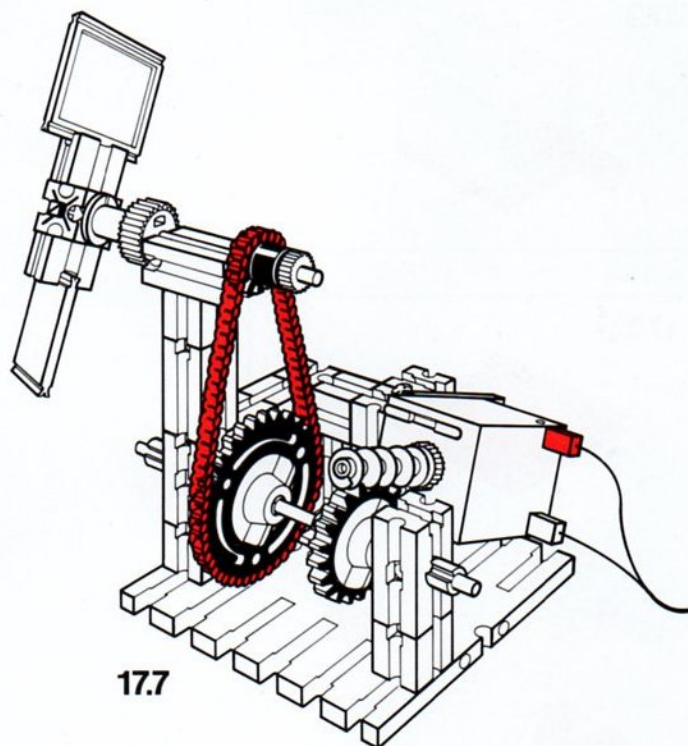


80 mm

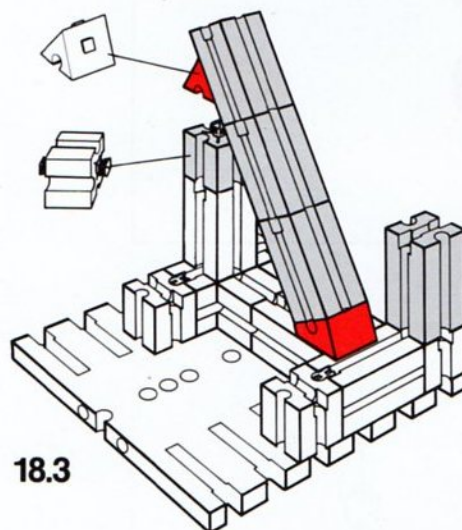
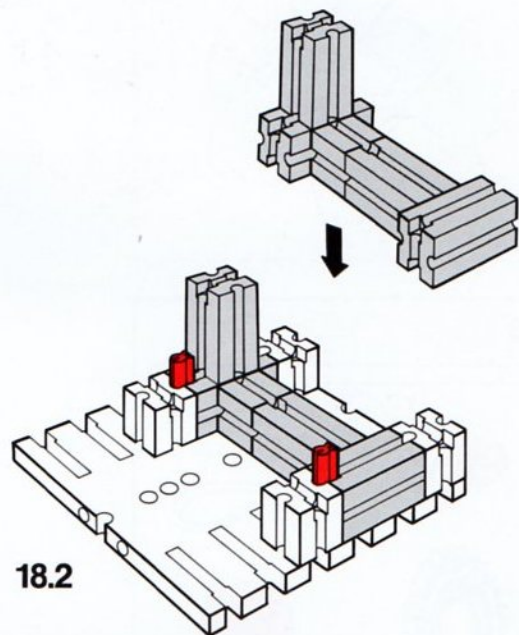
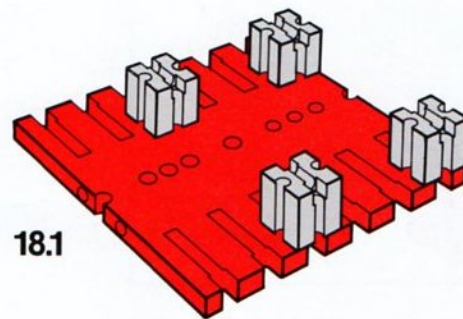
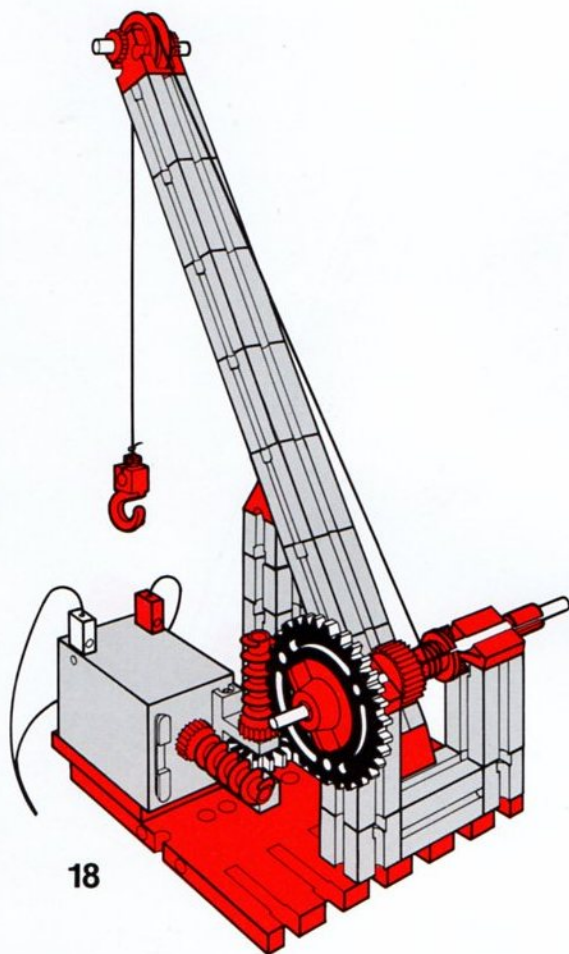
110 mm

17.7

51x

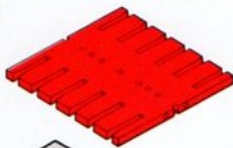


17.7

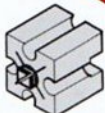


18.1

1x



4x

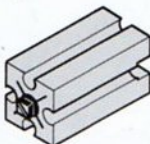


18.2

2x



4x



1x



18.3

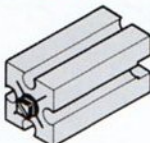
1x



1x



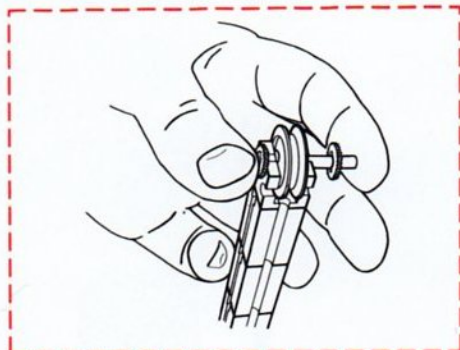
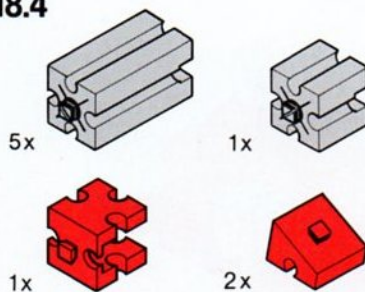
4x



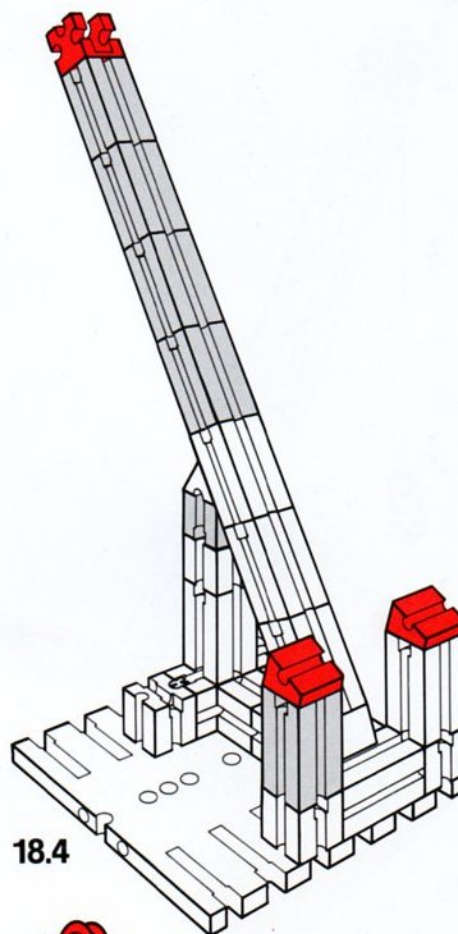
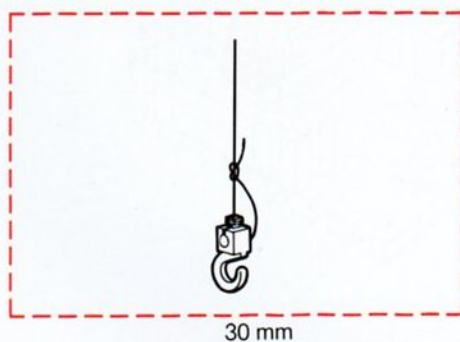
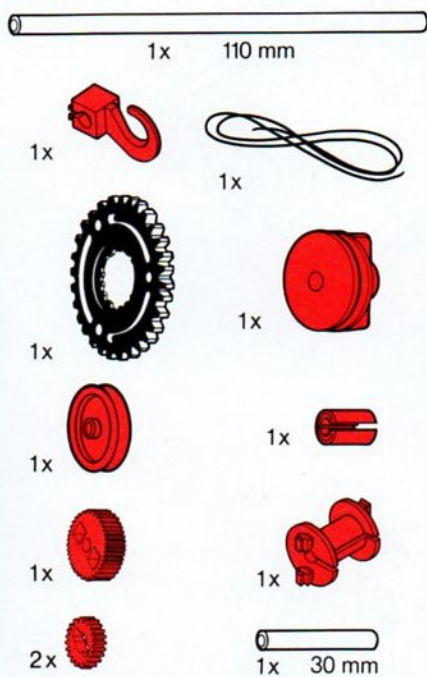
1x



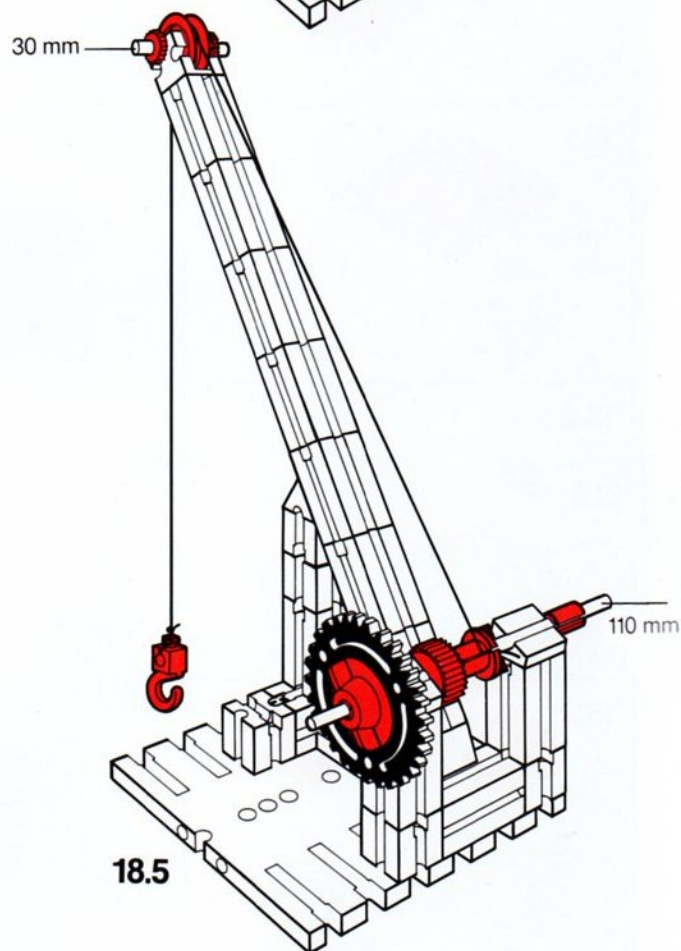
18.4



18.5



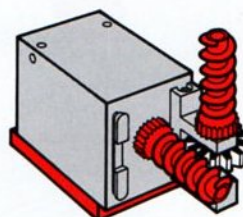
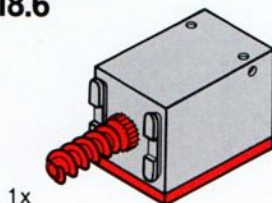
18.4



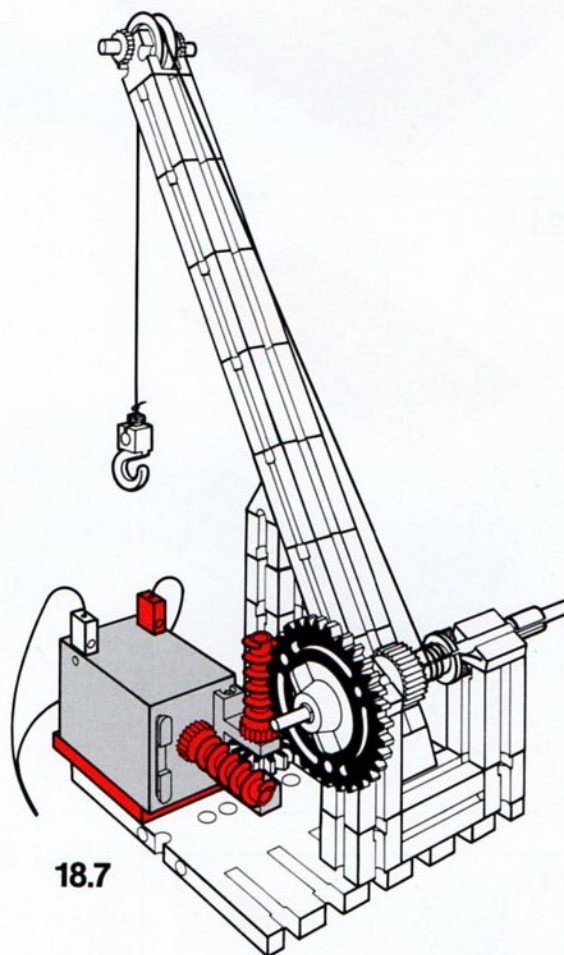
18.5

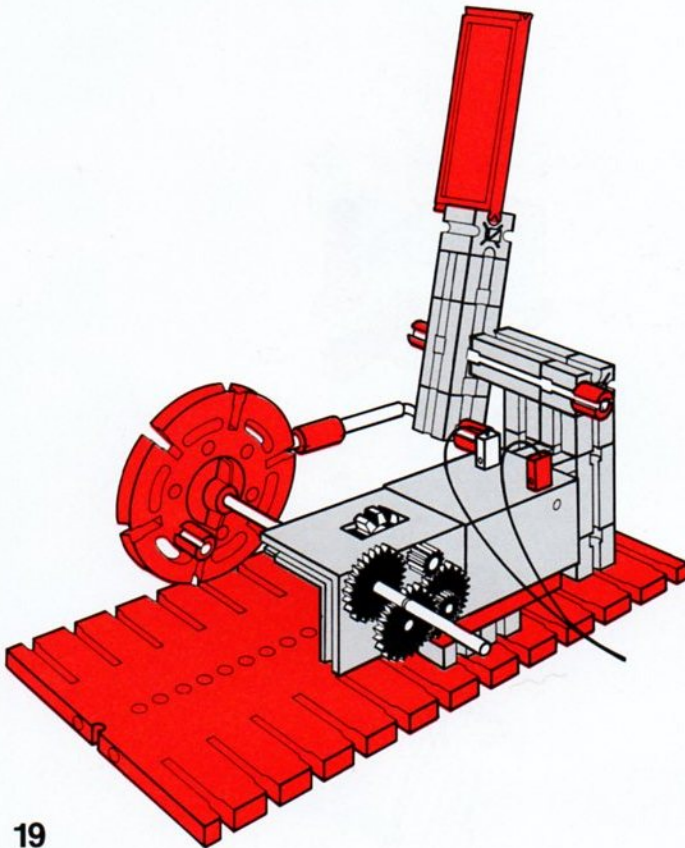


18.6



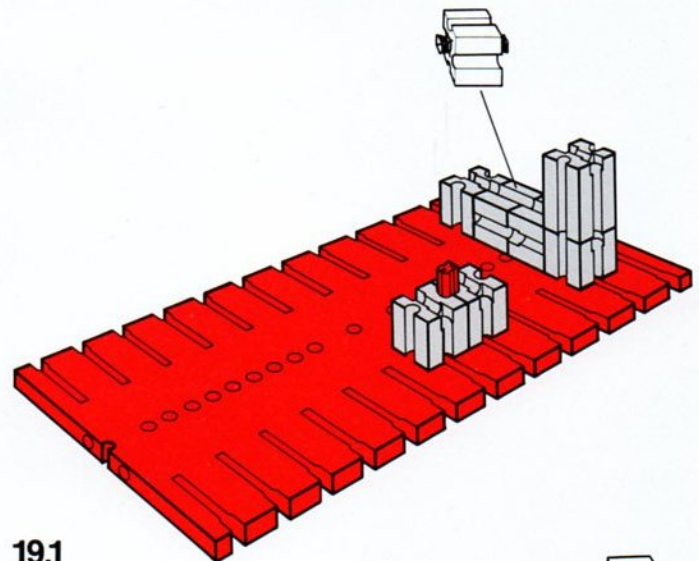
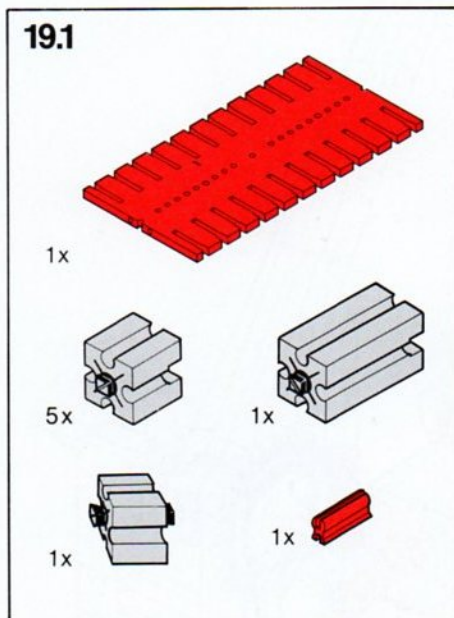
18.6





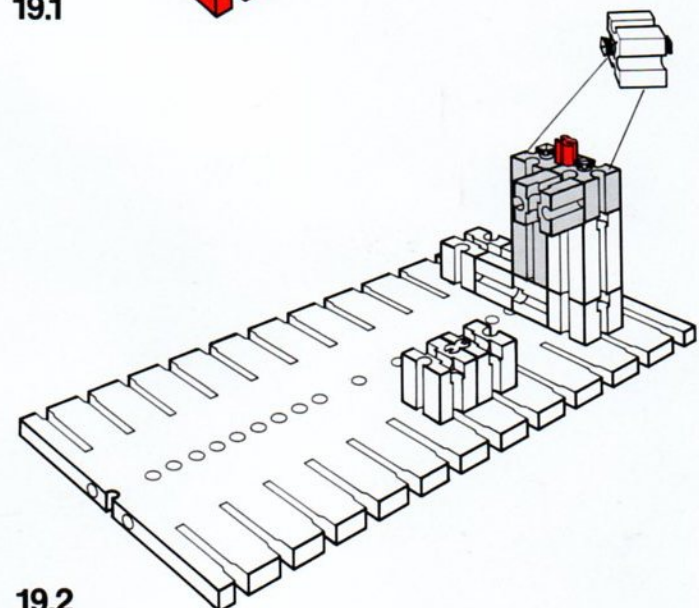
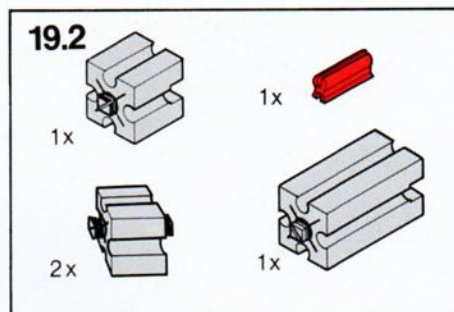
19

19.1



19.1

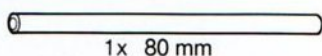
19.2



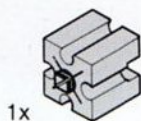
19.2



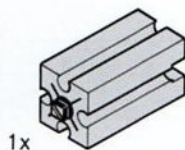
19.3



1x 80 mm

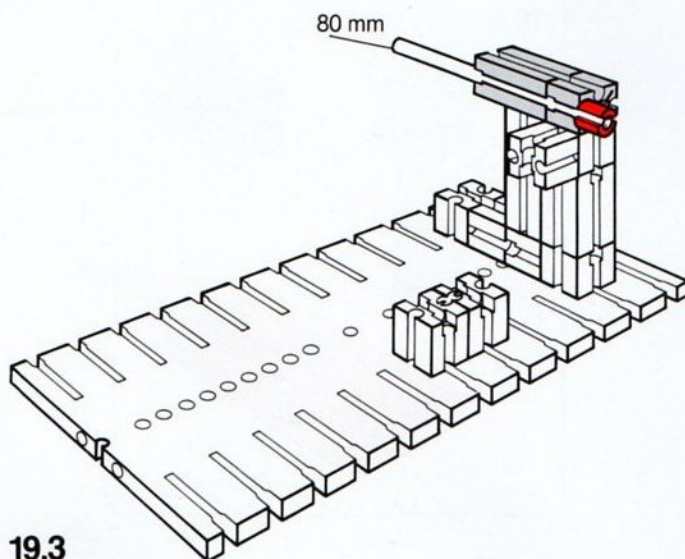


1x

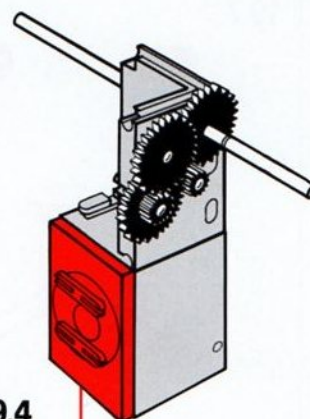
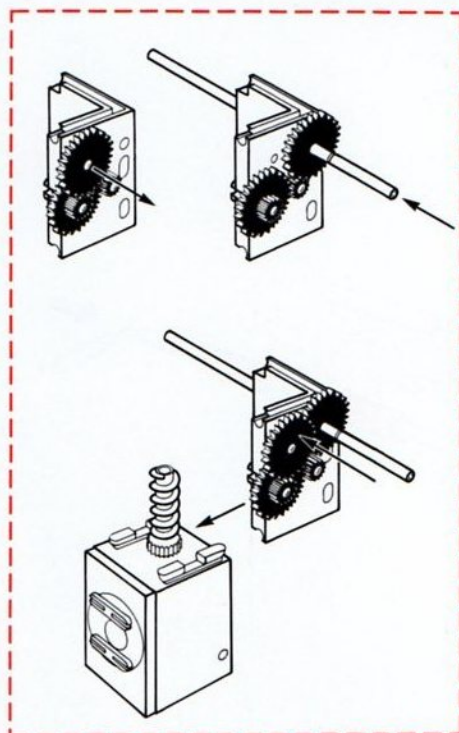


1x

1x

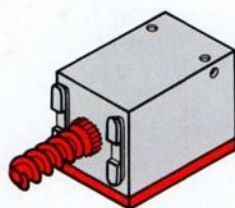


19.3

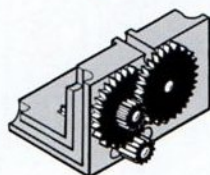


19.4

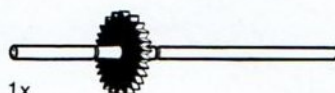
19.4



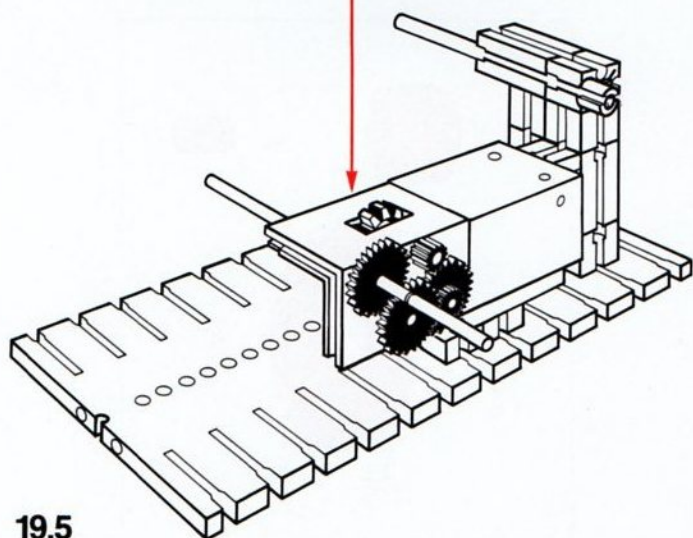
1x



1x



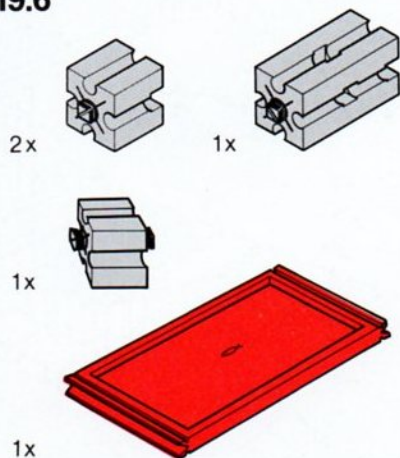
1x



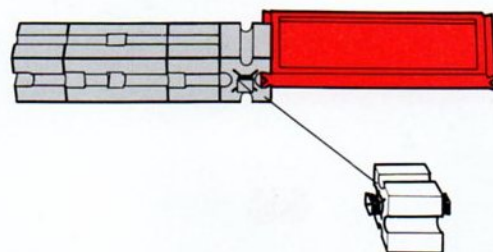
19.5

80 mm

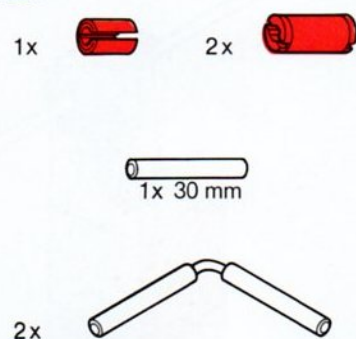
19.6



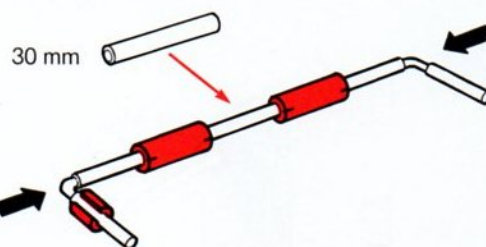
19.6



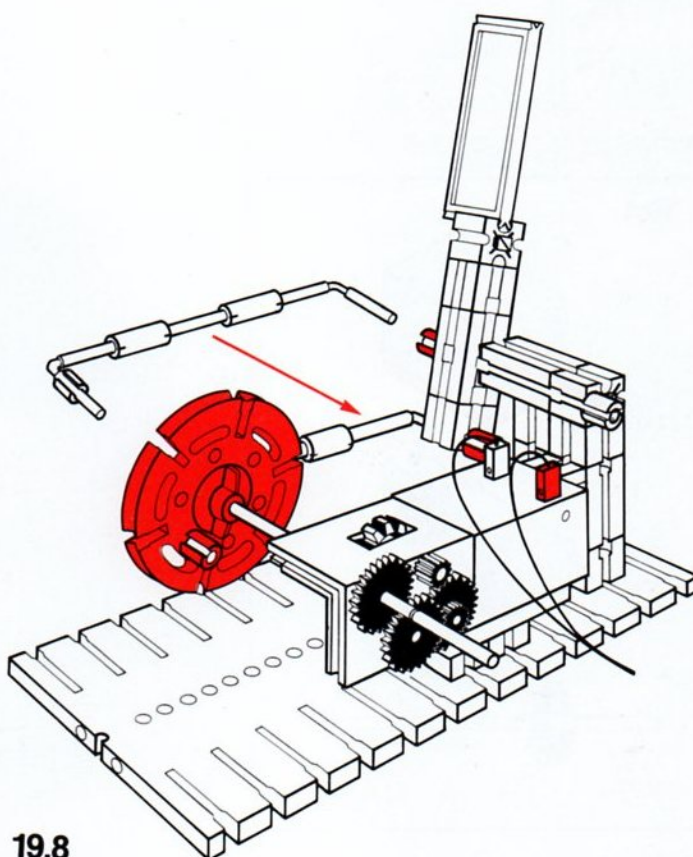
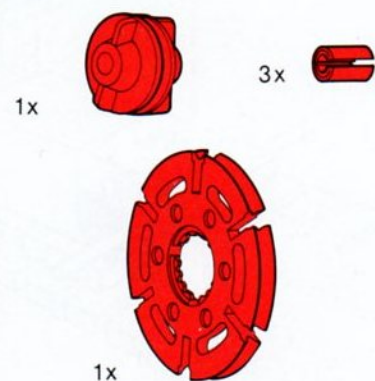
19.7



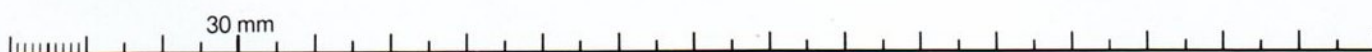
19.7

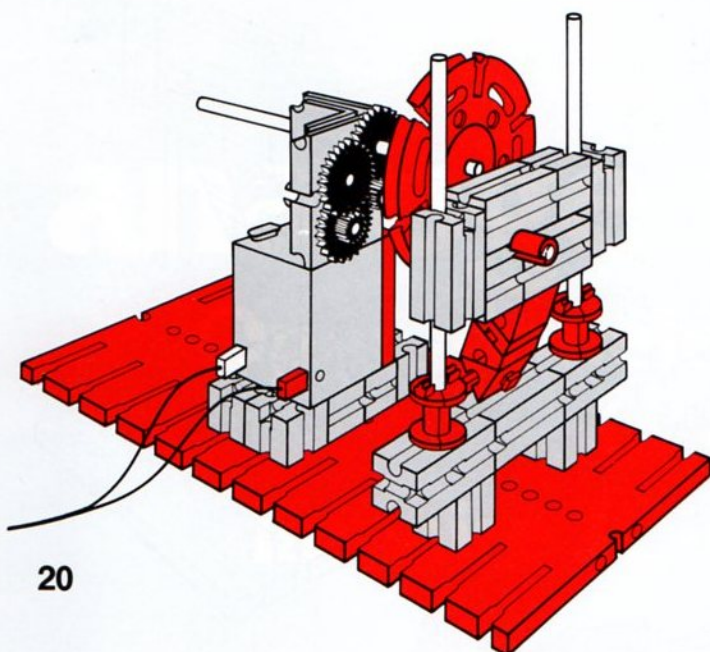


19.8



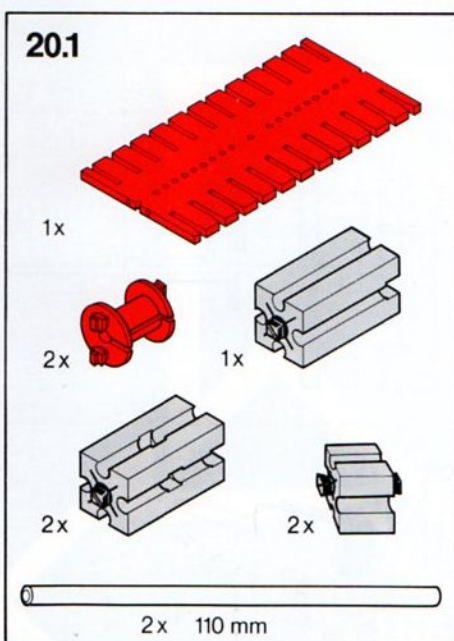
19.8



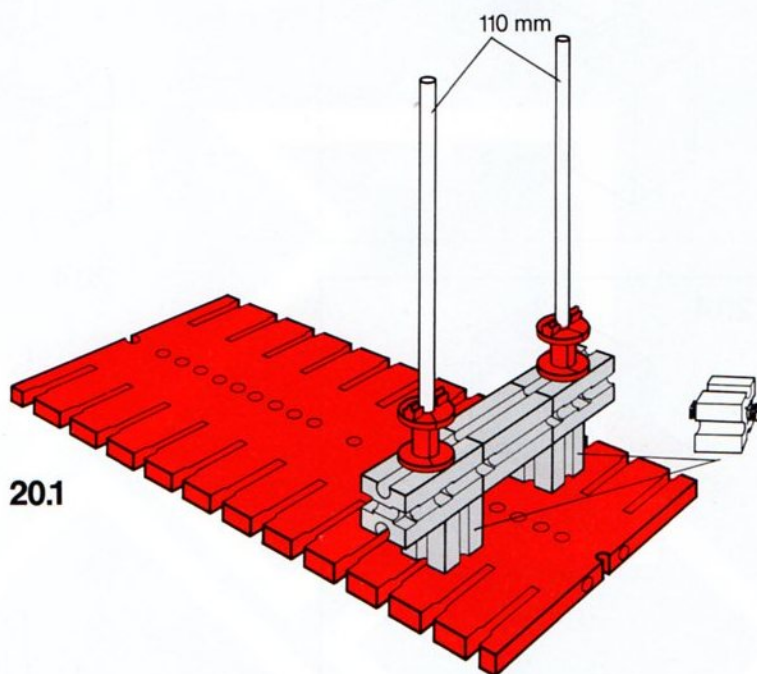


20

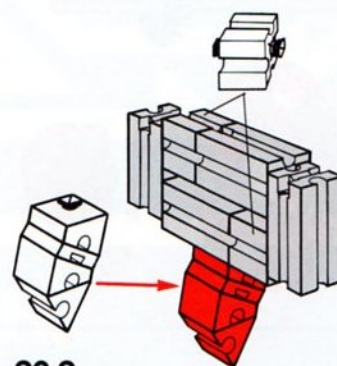
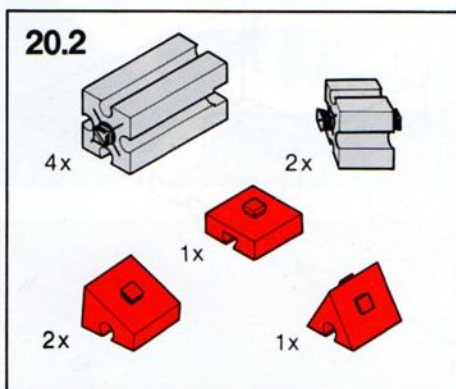
20.1



20.1



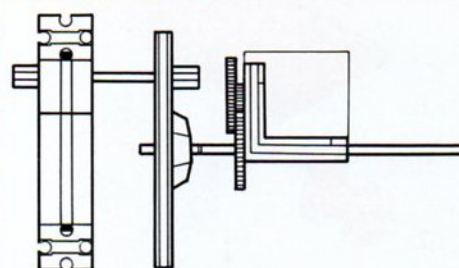
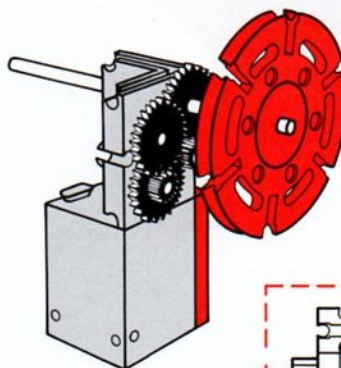
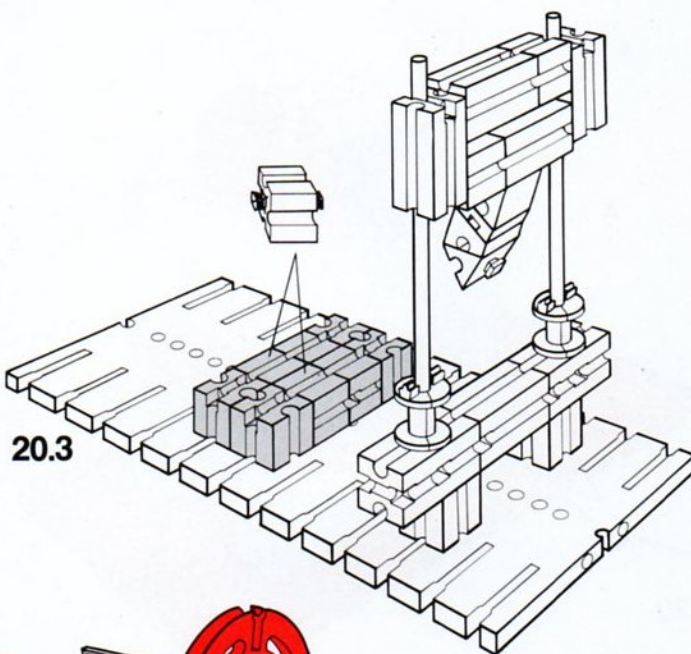
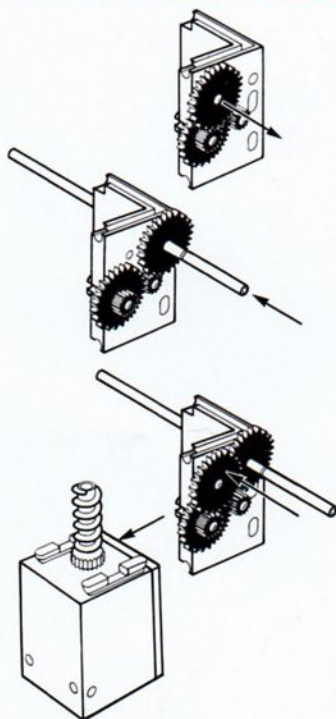
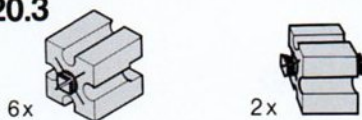
20.2



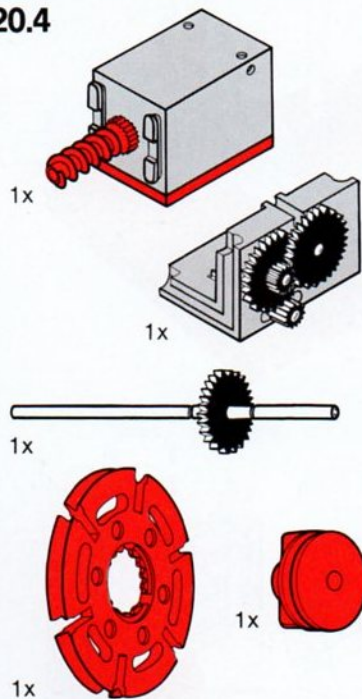
20.2

110 mm

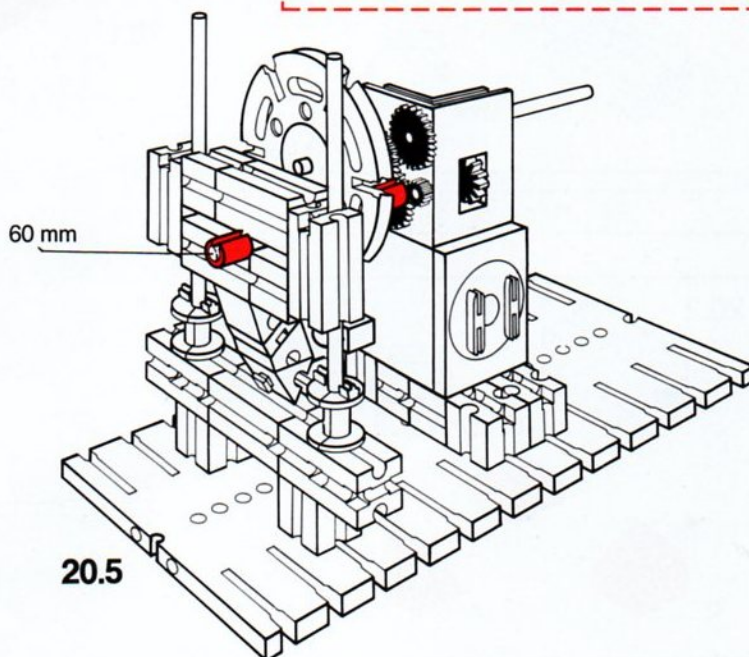
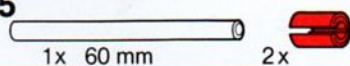
20.3



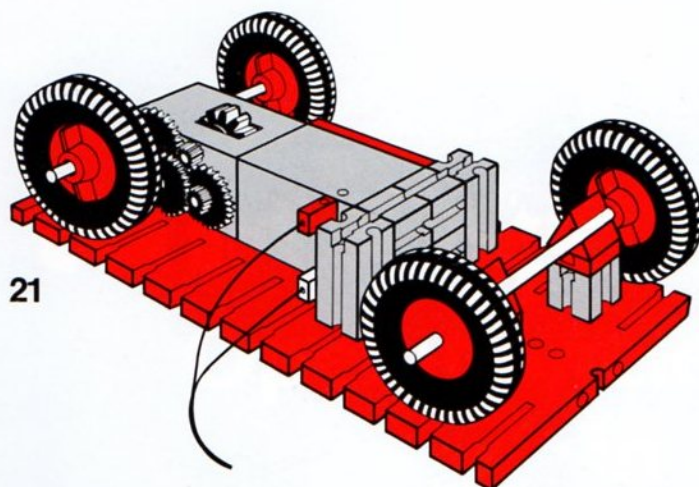
20.4



20.5

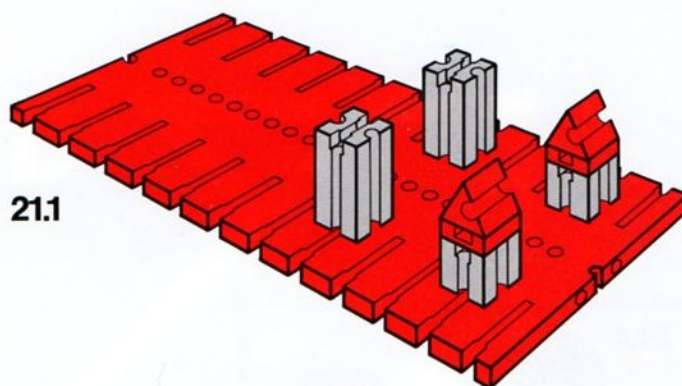
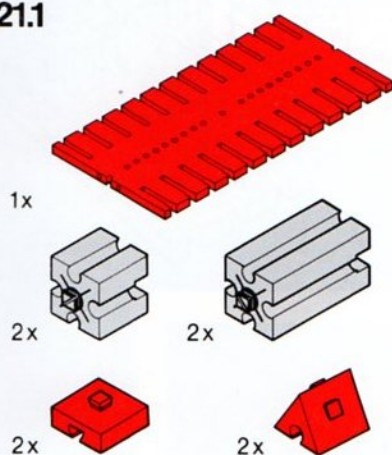


60 mm

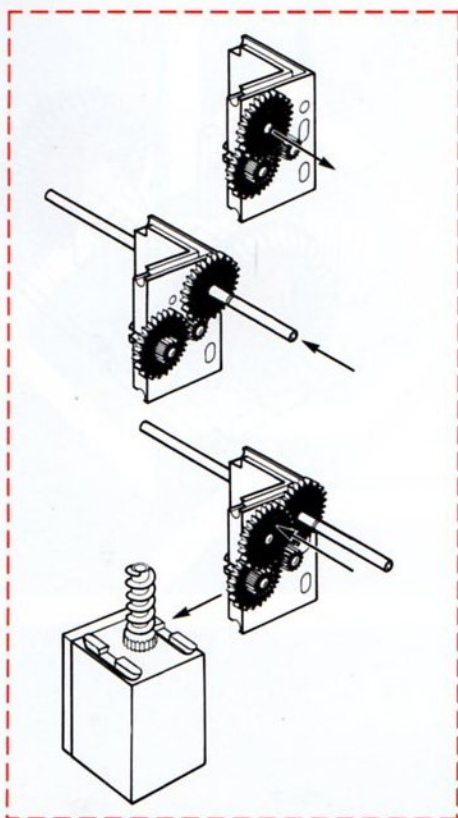


21

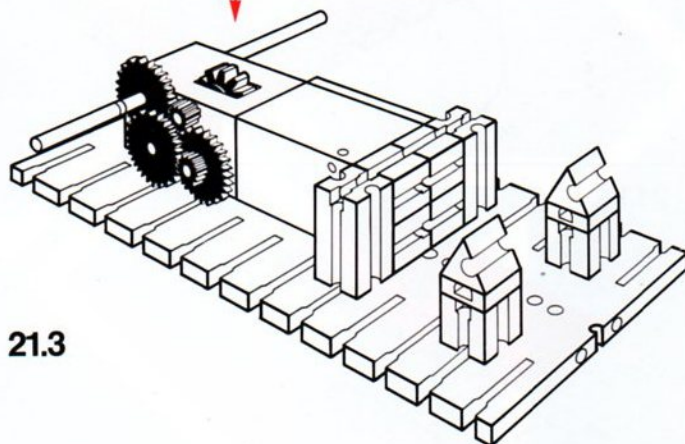
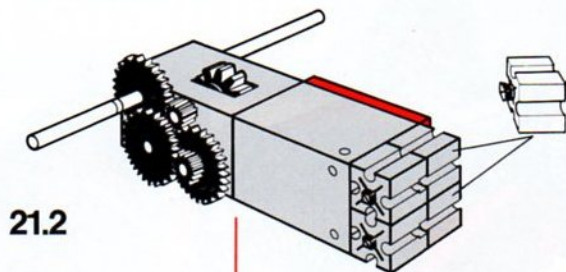
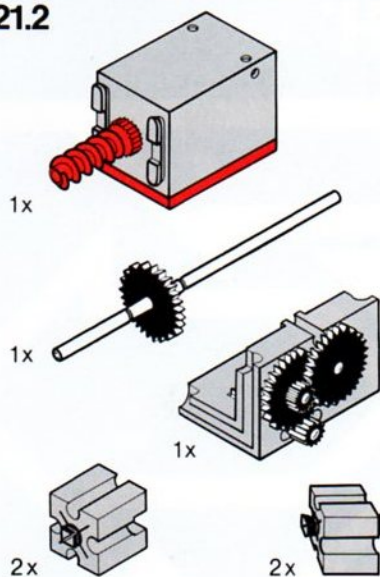
21.1



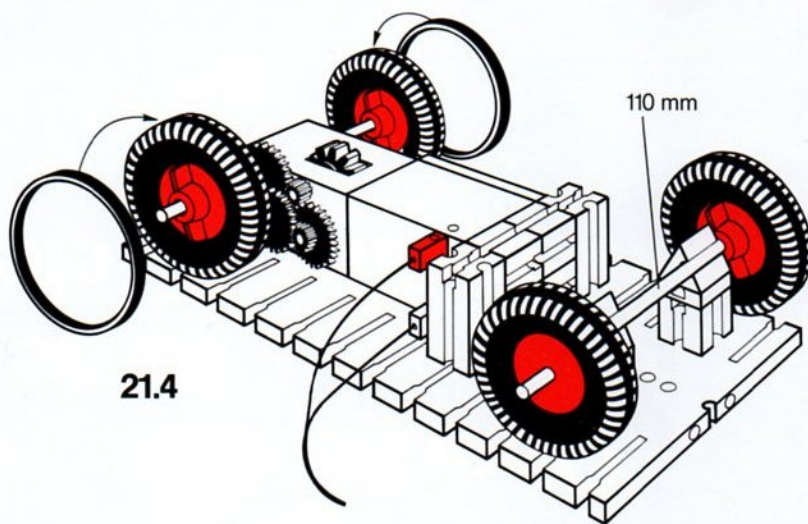
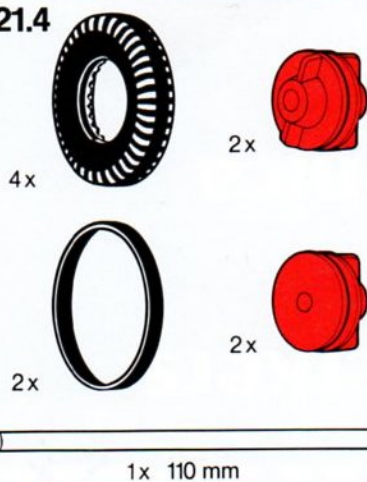
21.1



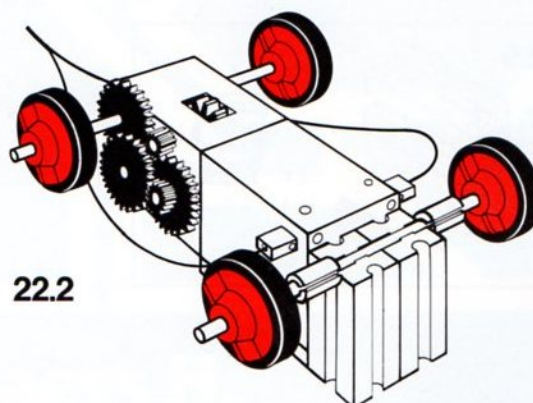
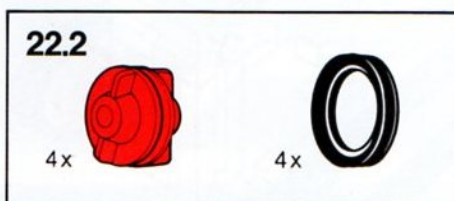
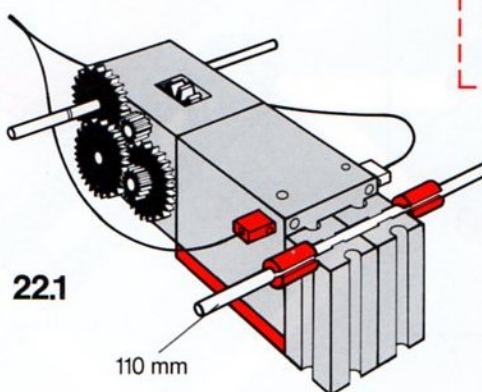
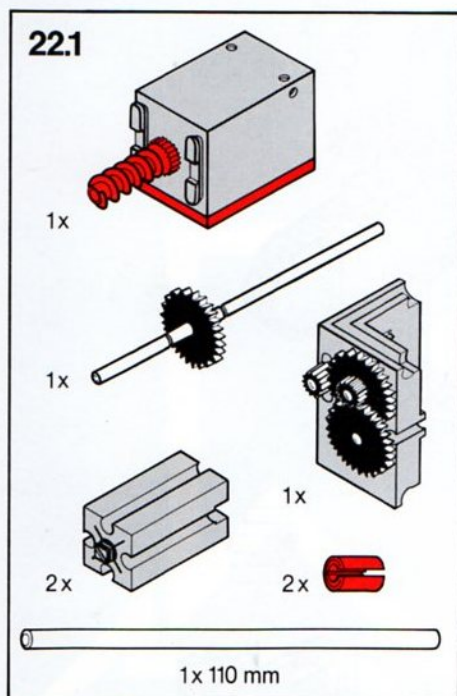
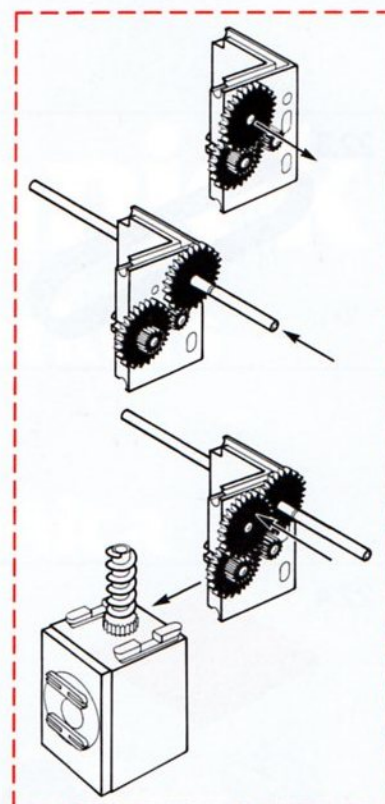
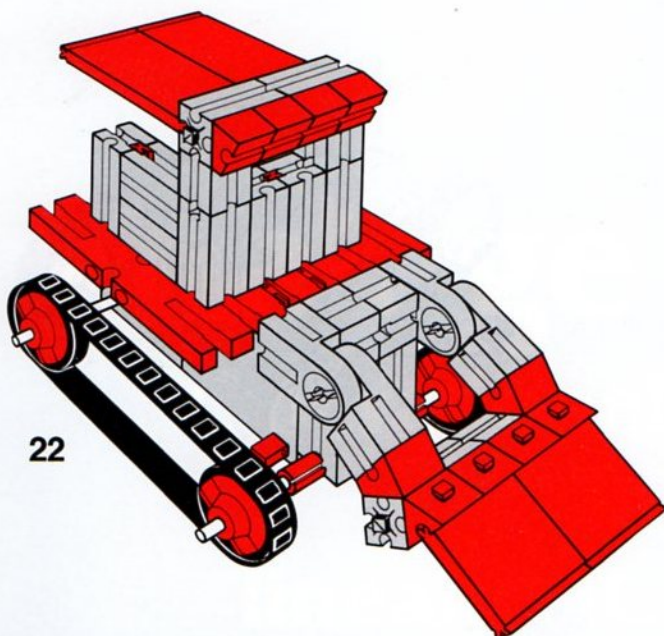
21.2



21.4



110 mm

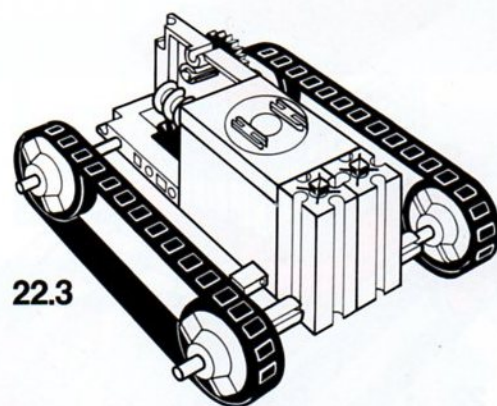
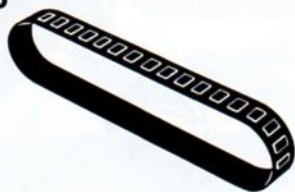


110 mm



22.3

2x



22.3

22.4

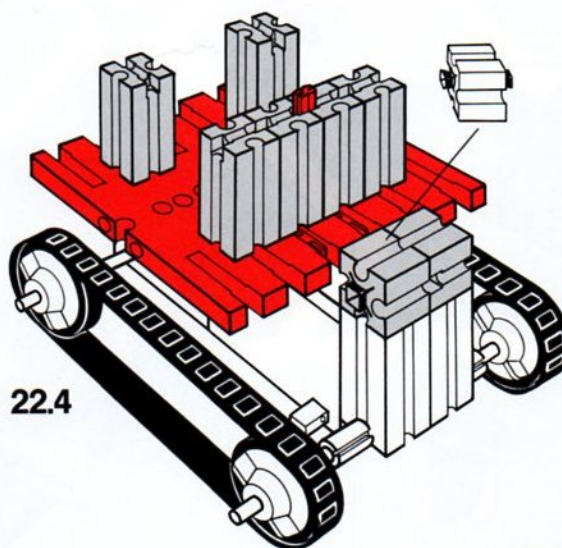
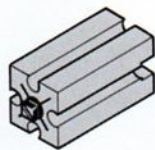
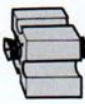
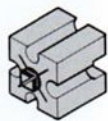
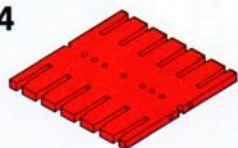
1x

1x

1x

6x

1x



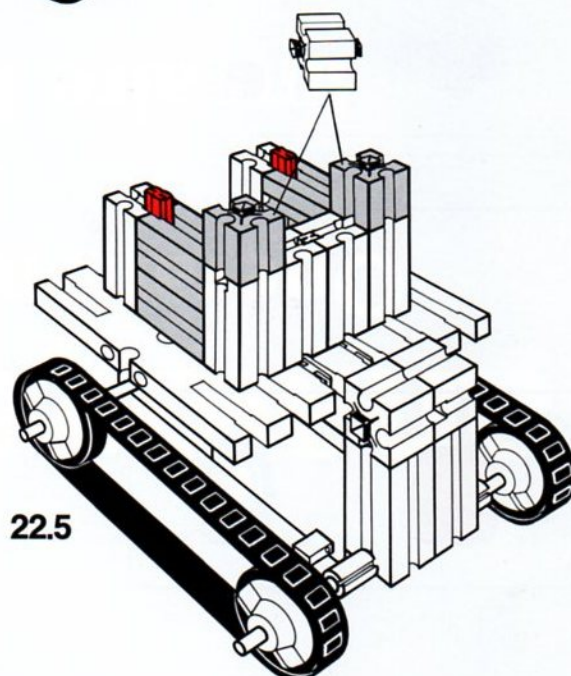
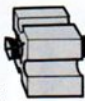
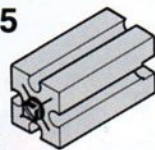
22.4

22.5

4x

2x

2x



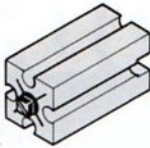
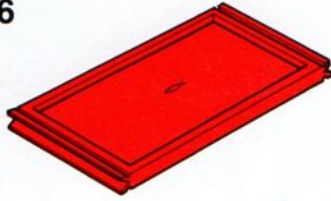
22.5

22.6

2x

4x

2x



22.8

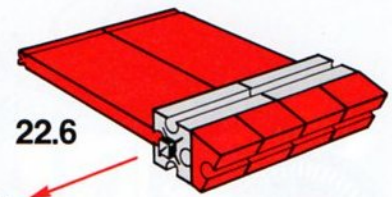
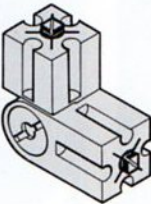
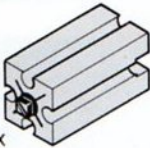
2x

2x

2x

2x

4x

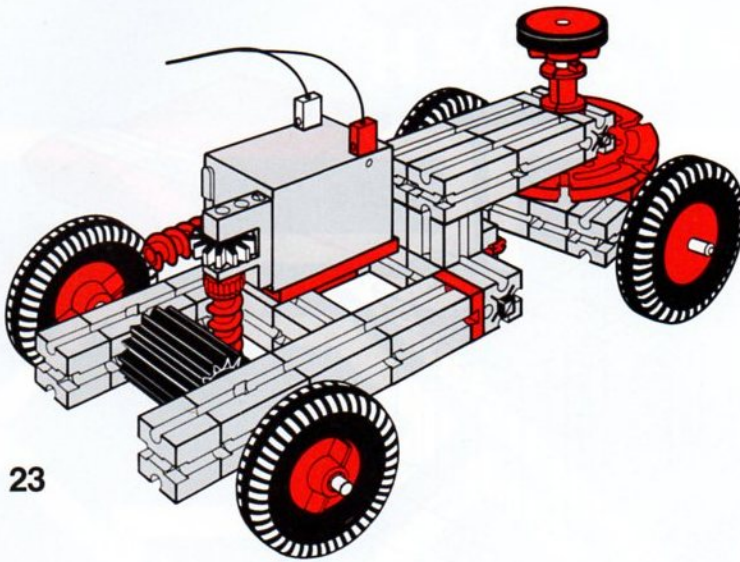


22.6

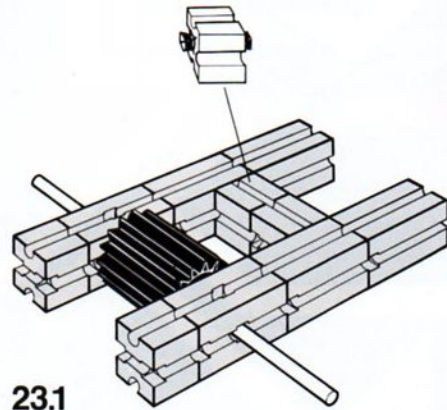
22.7

22.8

22.9

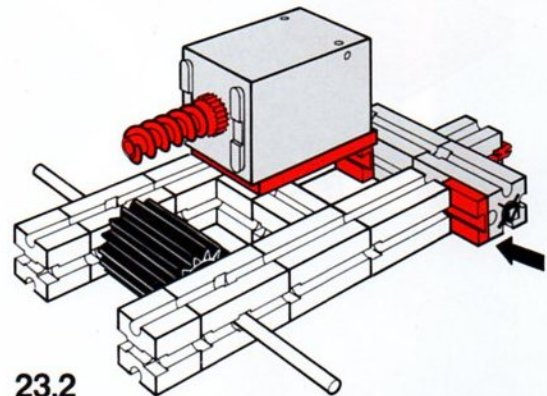
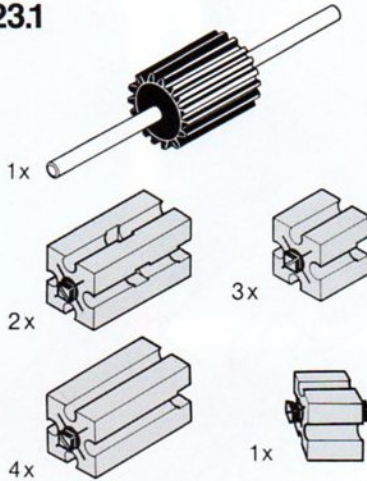


23



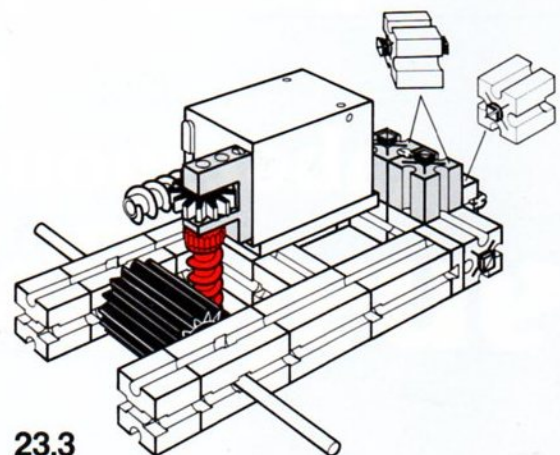
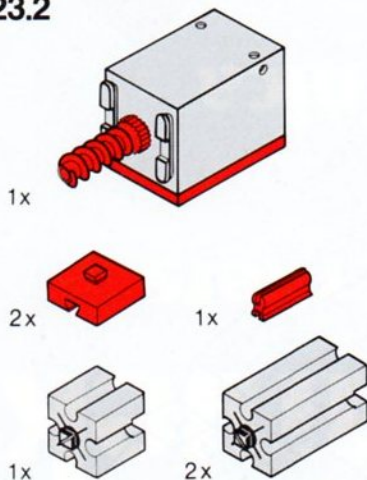
23.1

23.1



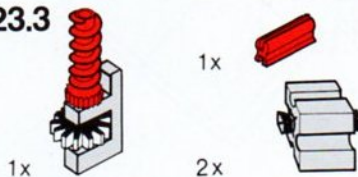
23.2

23.2

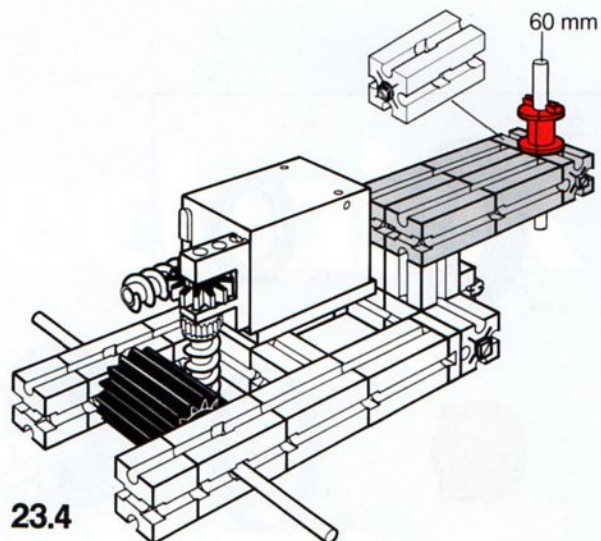
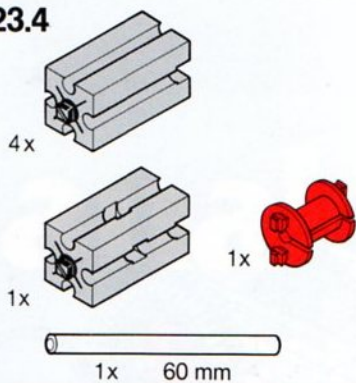


23.3

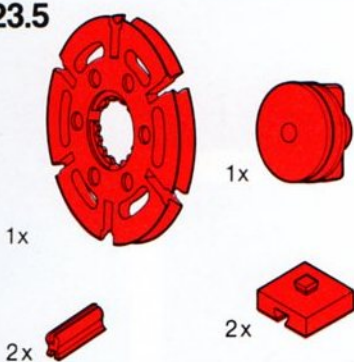
23.3



23.4



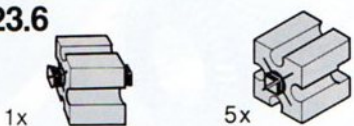
23.5



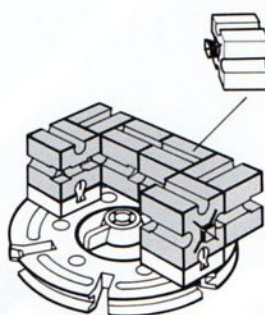
23.5



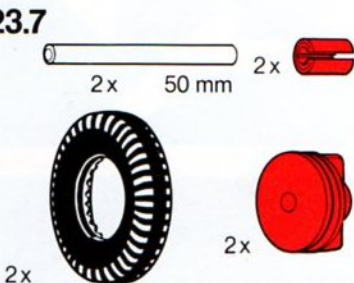
23.6



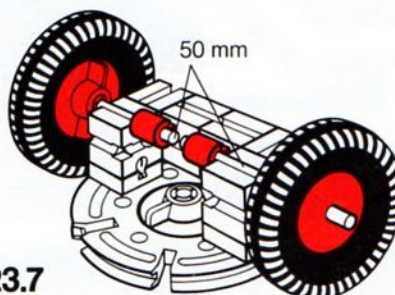
23.6



23.7

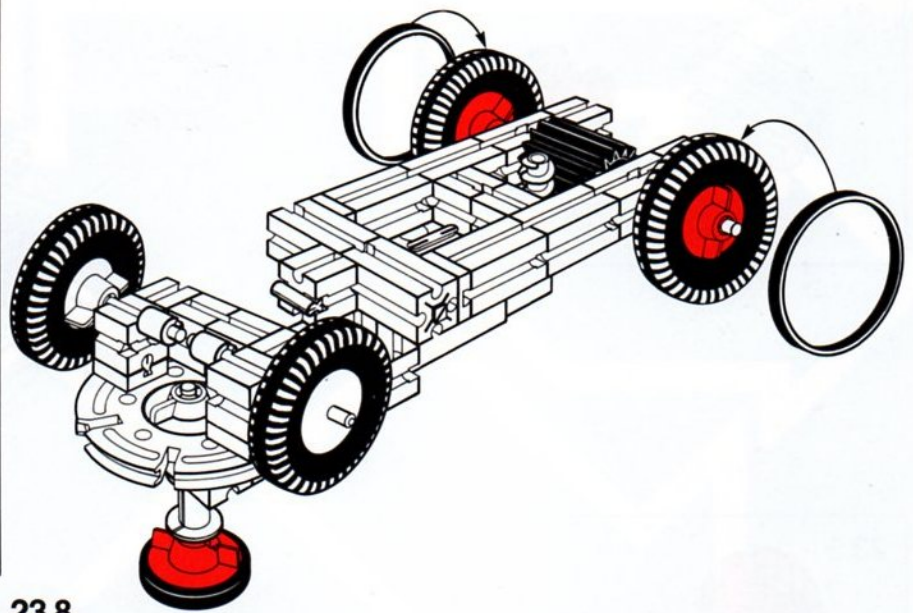
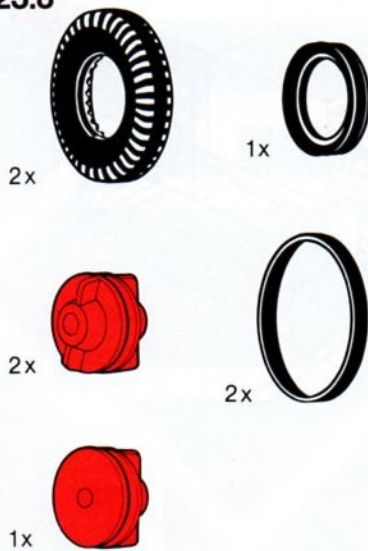


23.7

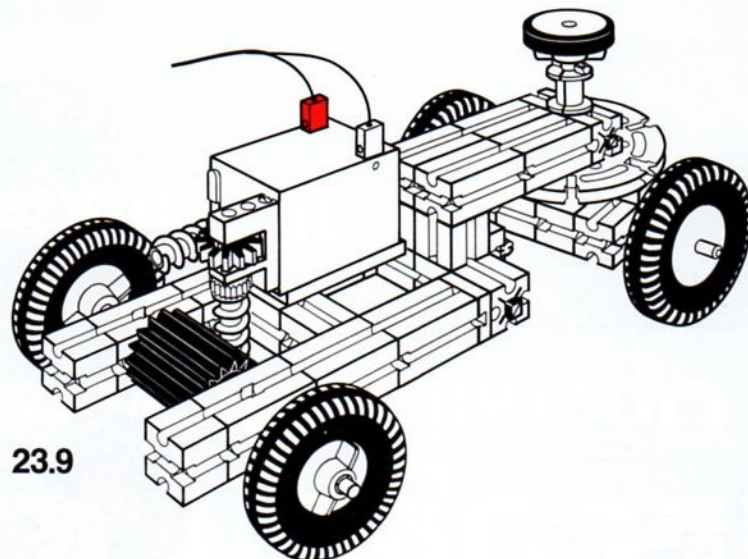


50 mm 60 mm

23.8

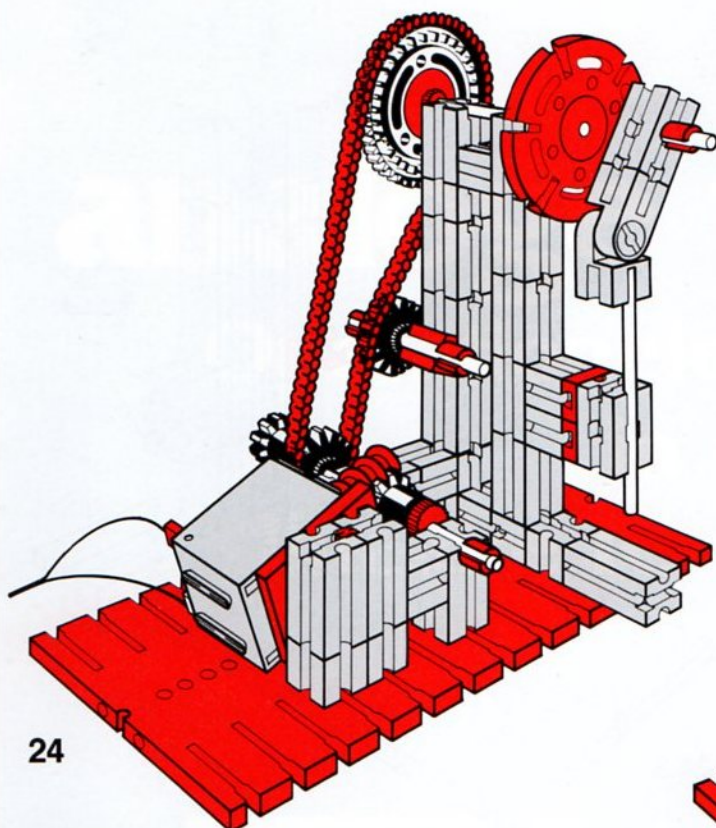


23.8

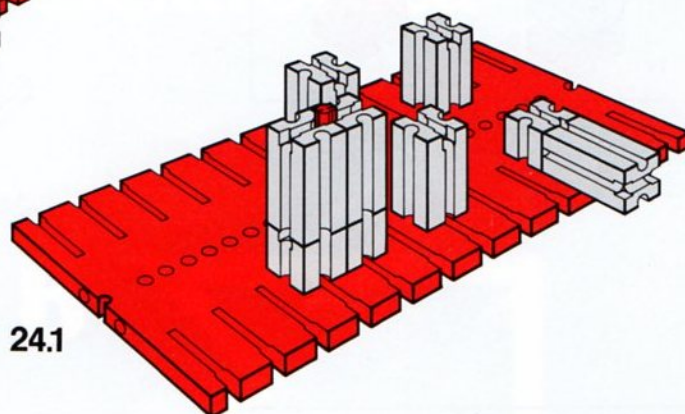


23.9





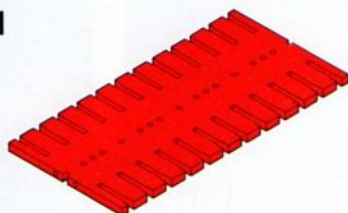
24



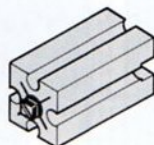
24.1

24.1

1x



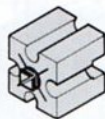
6x



1x

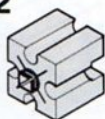


3x

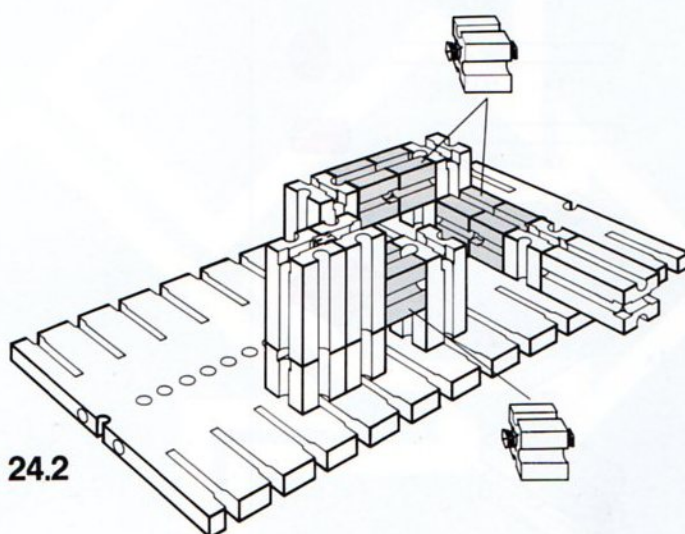


24.2

2x

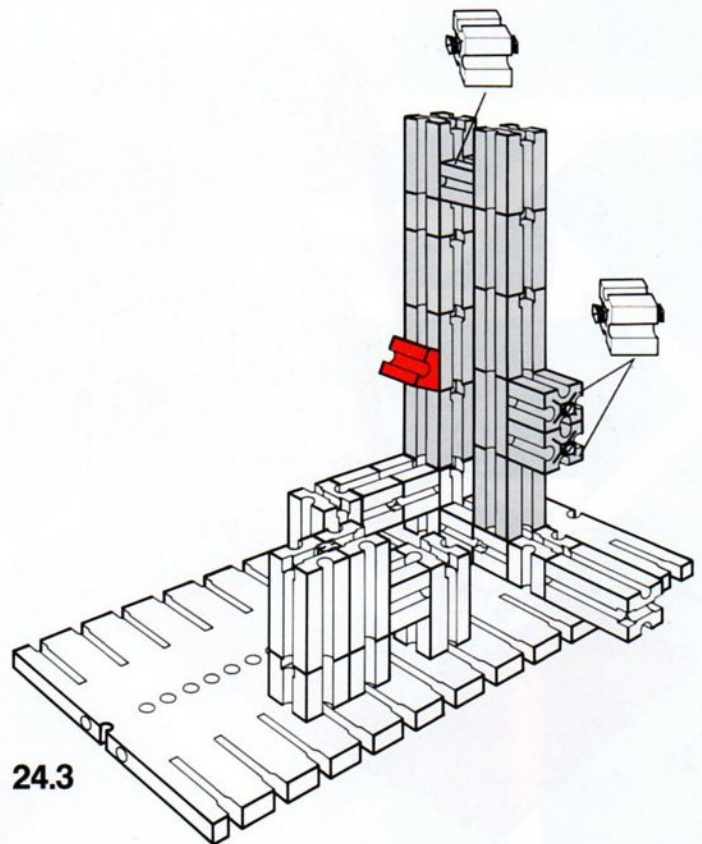
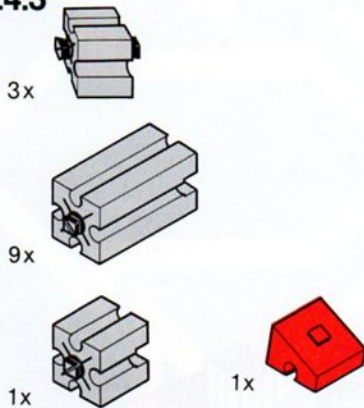


3x

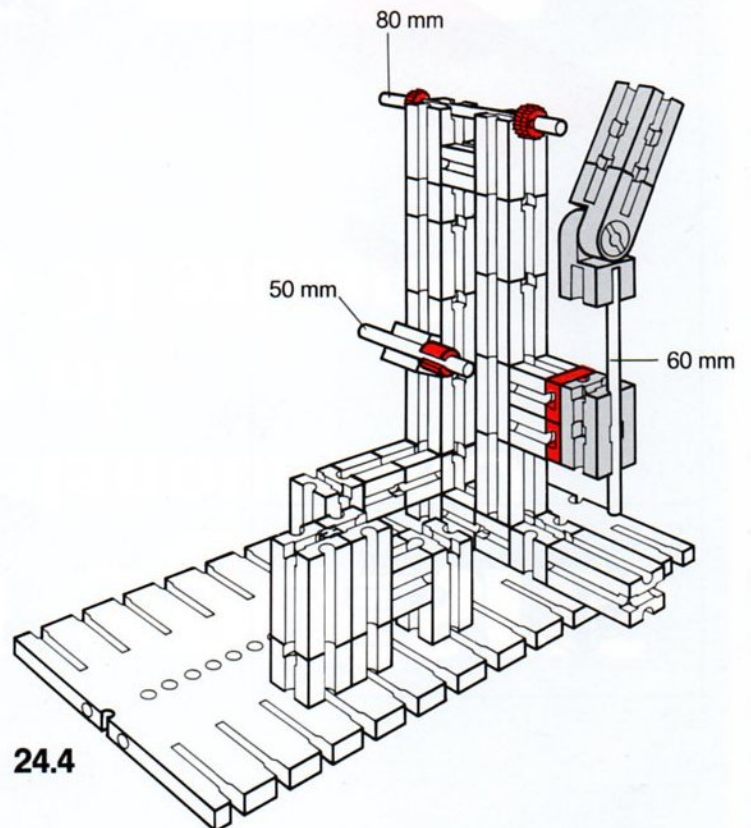
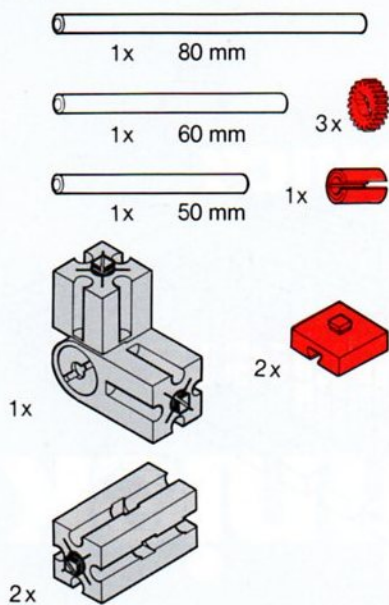


24.2

24.3

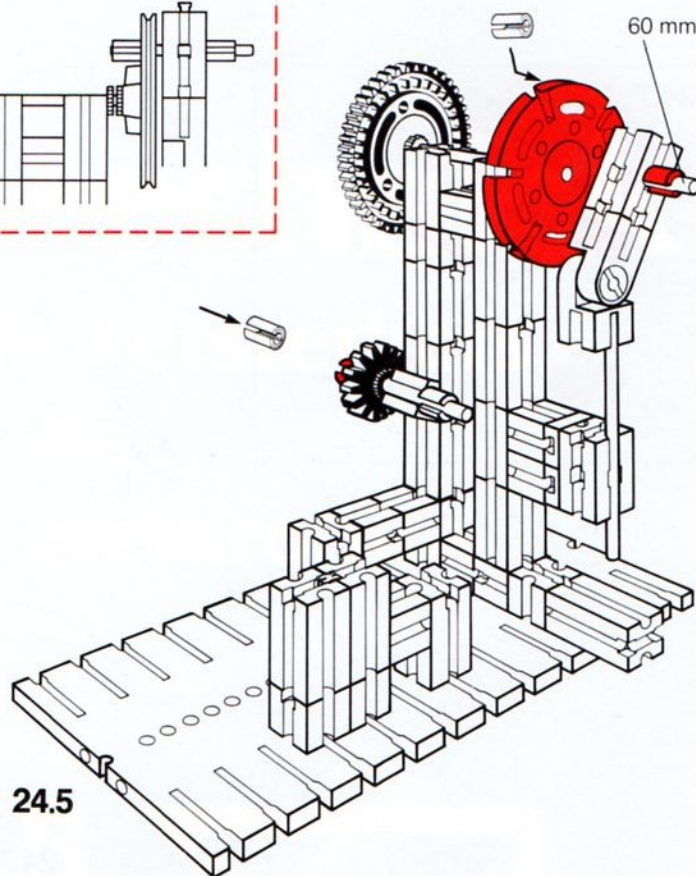
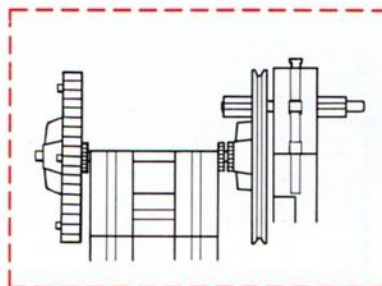
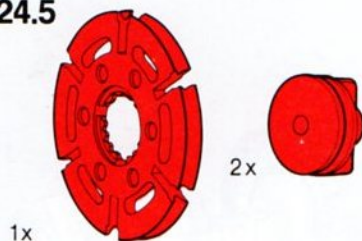


24.4

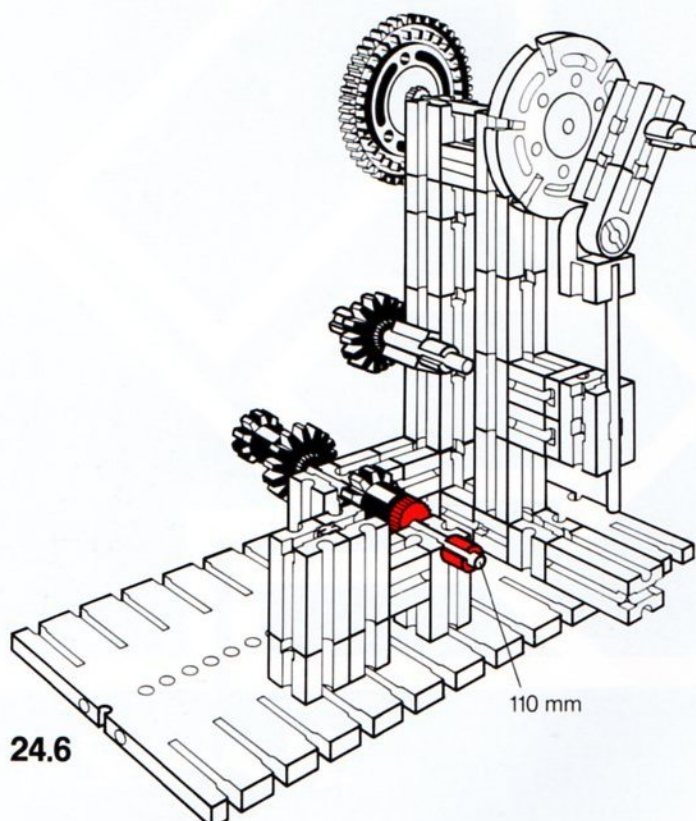
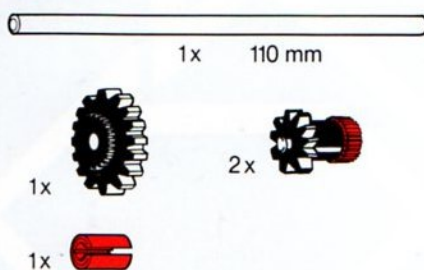


50 mm 60 mm 80 mm

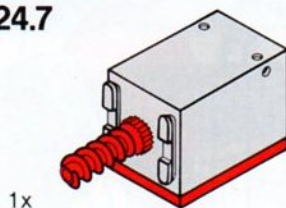
24.5



24.6



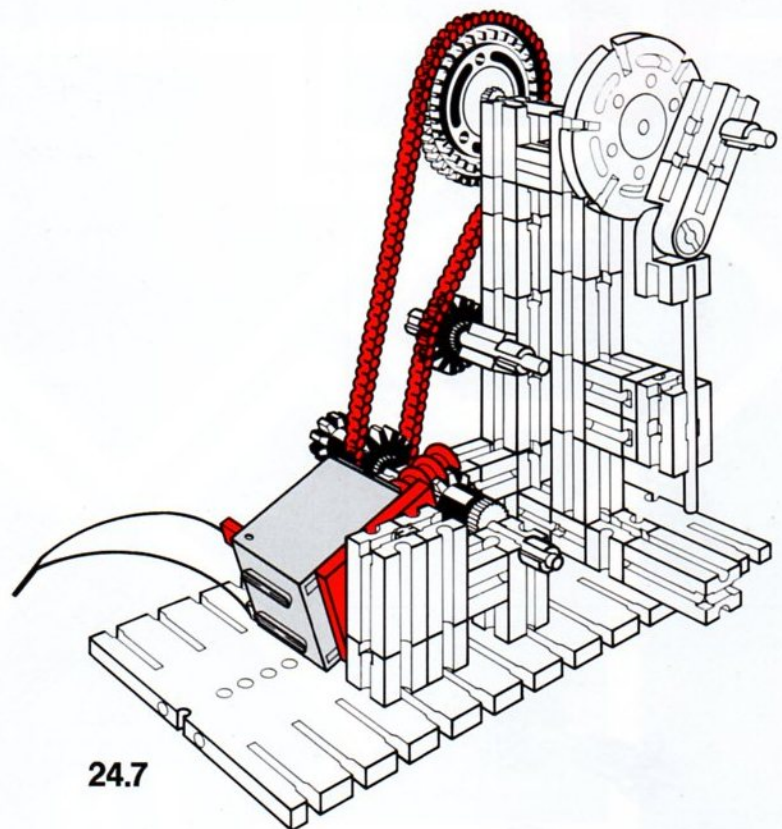
24.7



1x

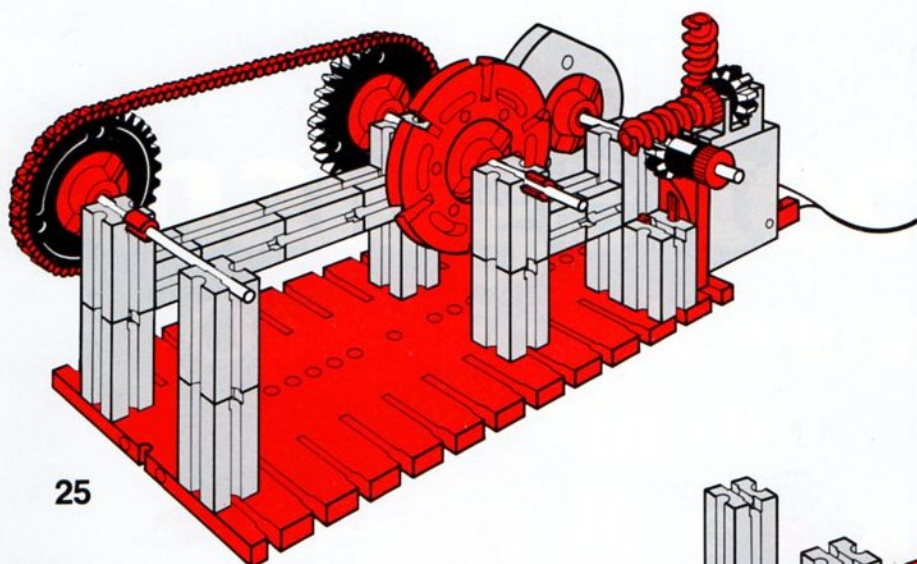


87x

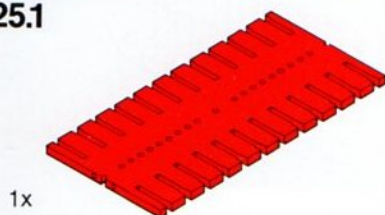


24.7

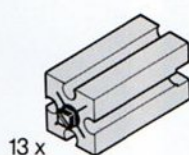




25.1



1x

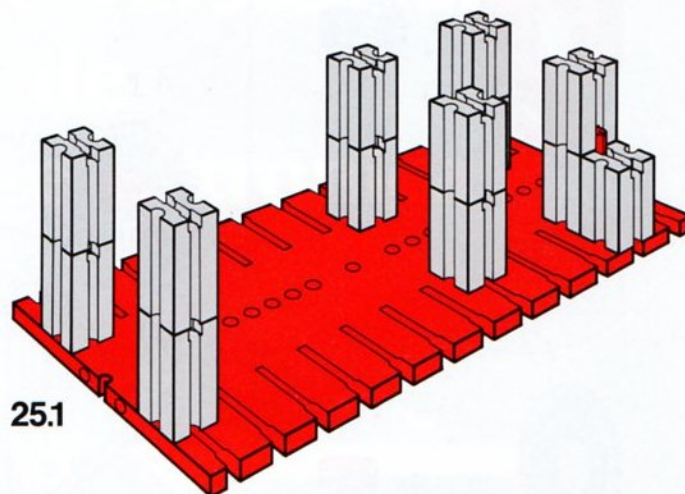


13x

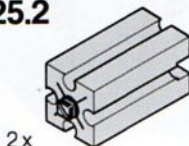


1x

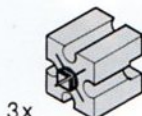
25.1



25.2



2x



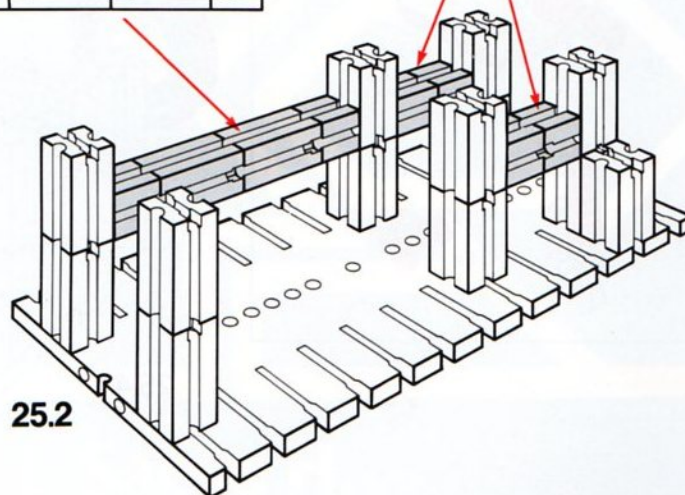
3x



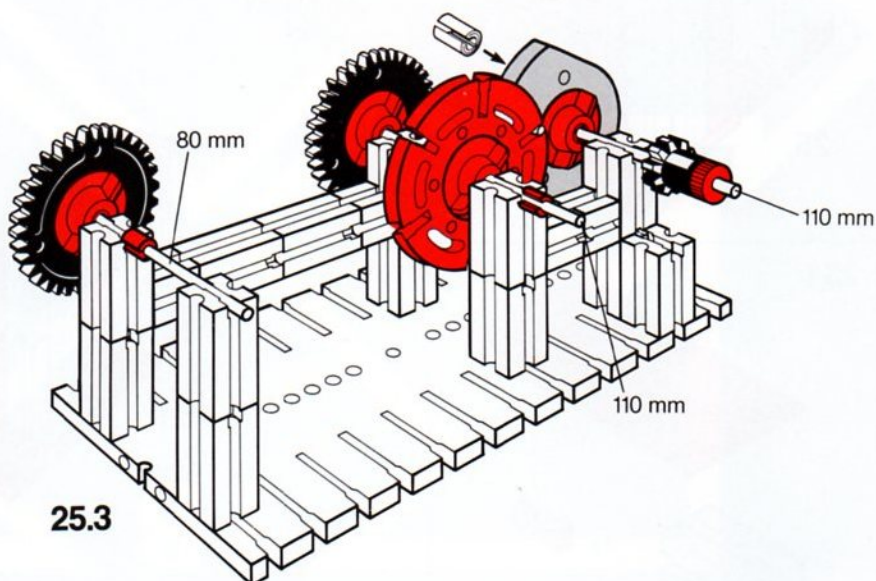
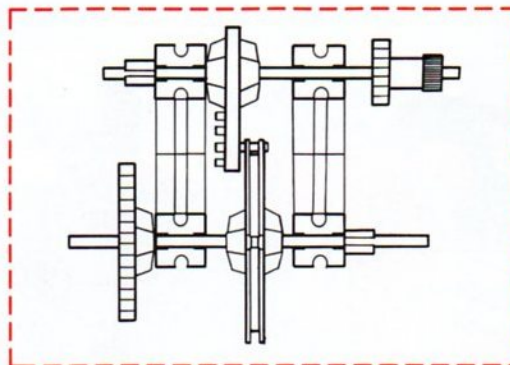
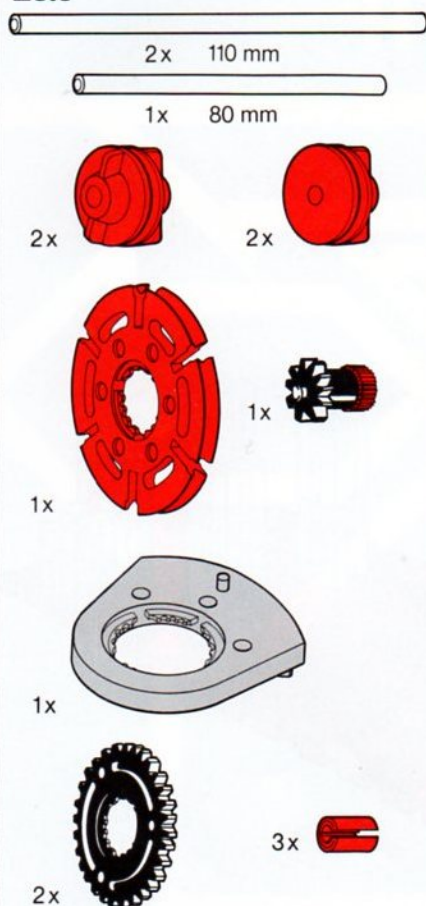
3x



25.2

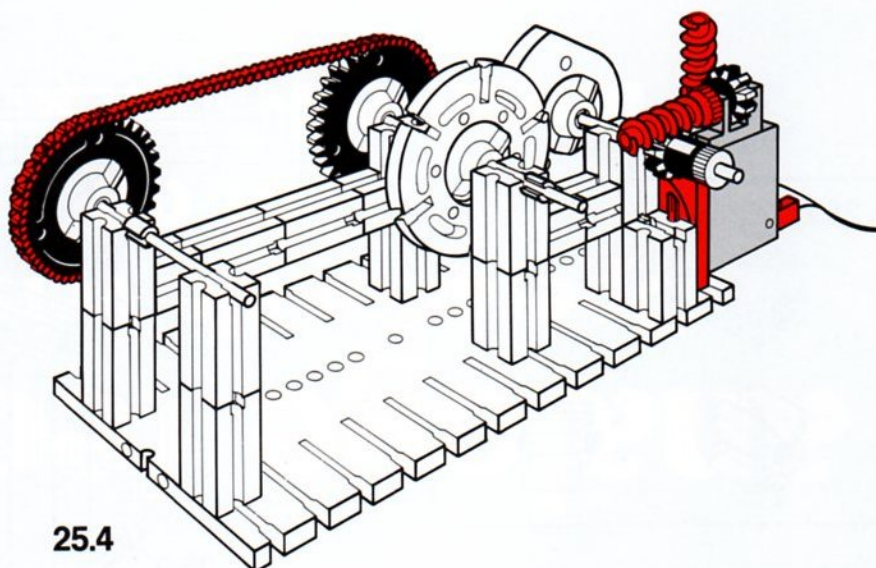
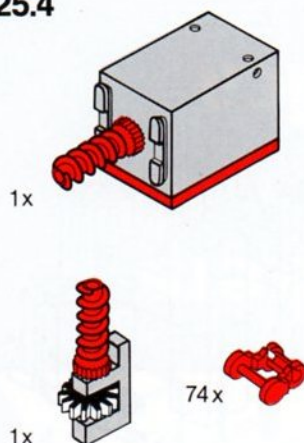


25.3



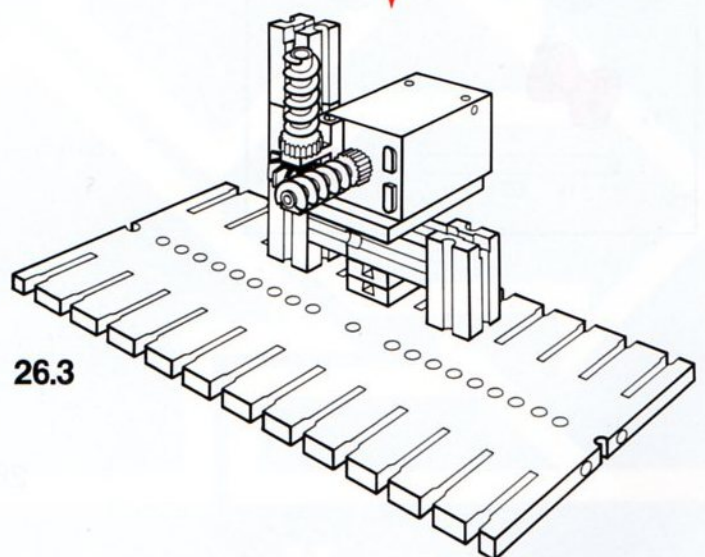
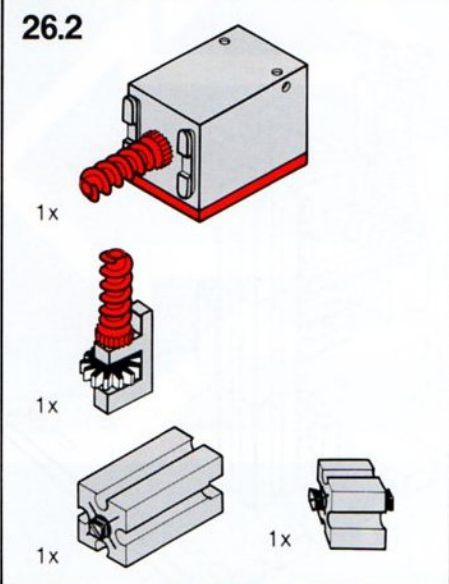
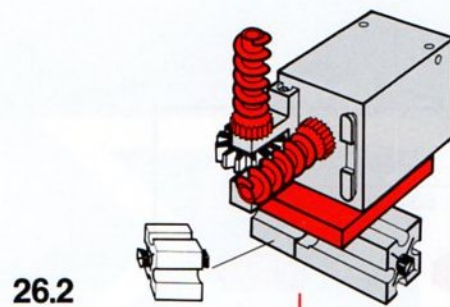
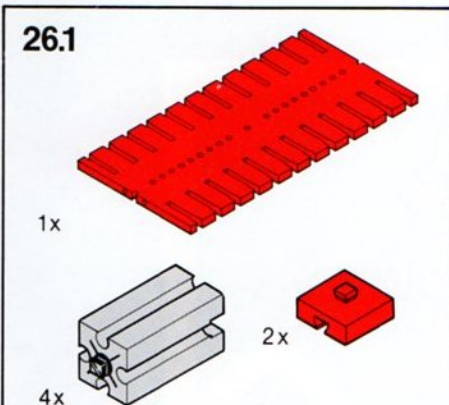
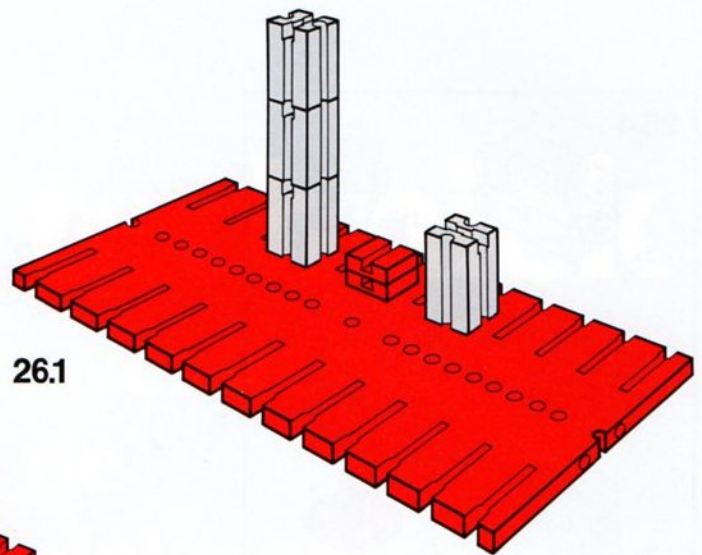
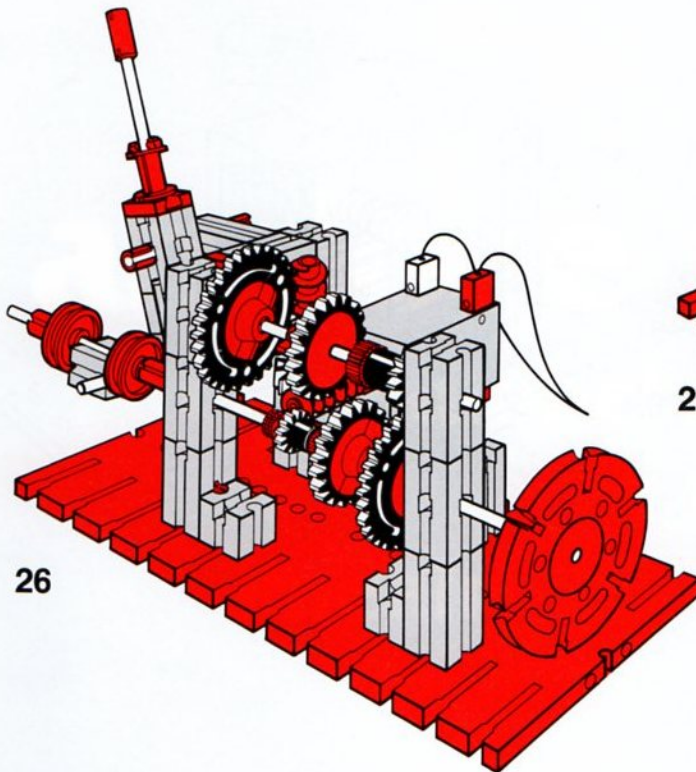
25.3

25.4

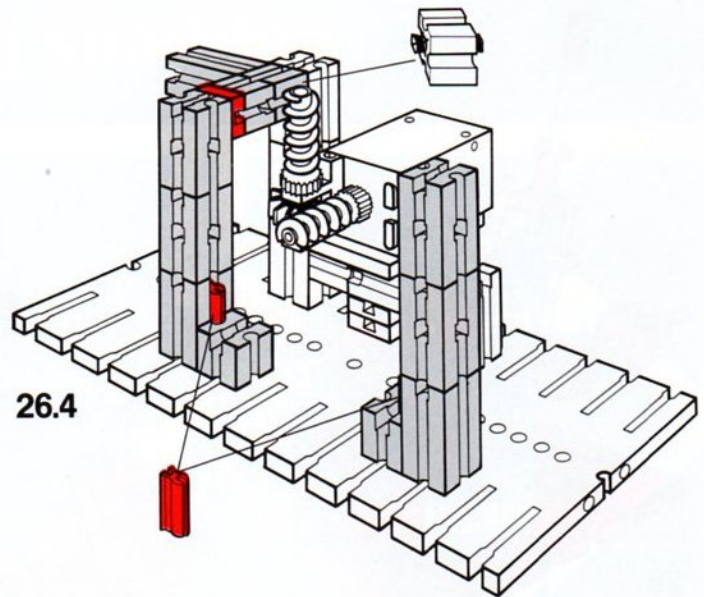
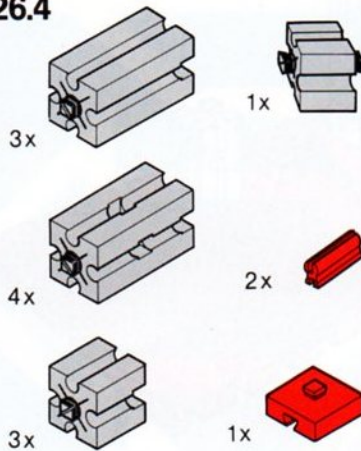


25.4

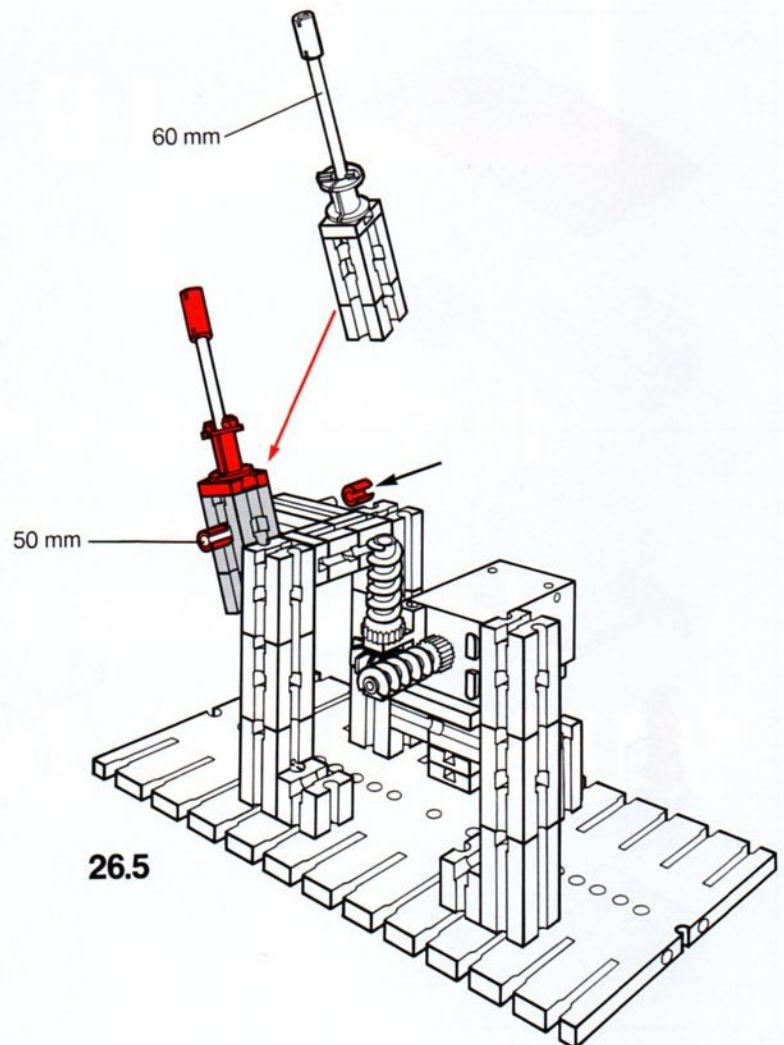
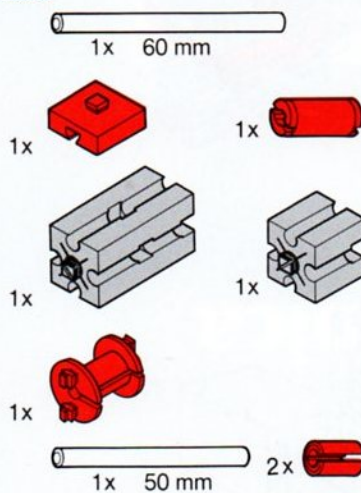
80 mm 110 mm



26.4

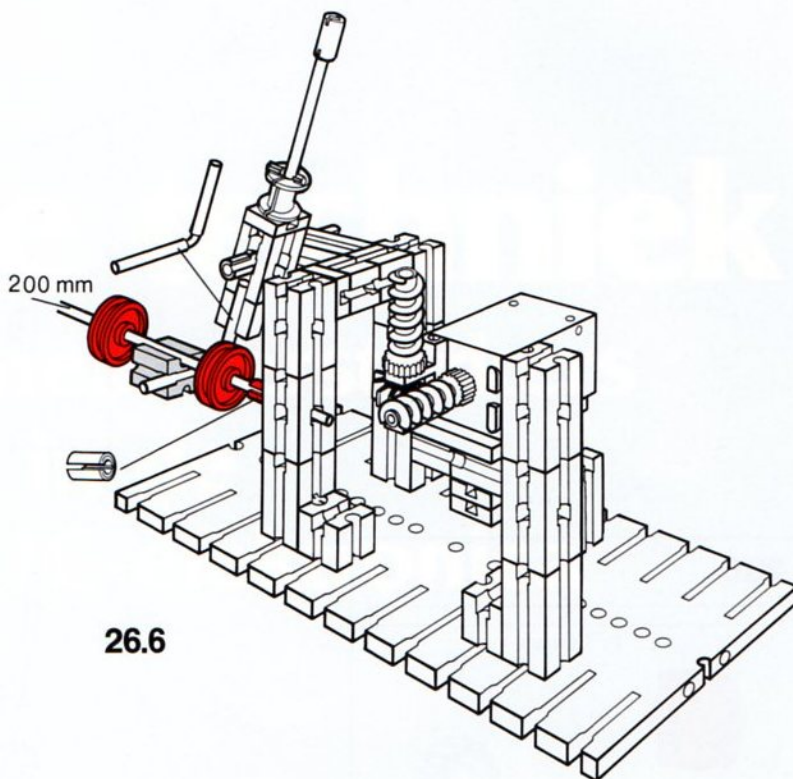
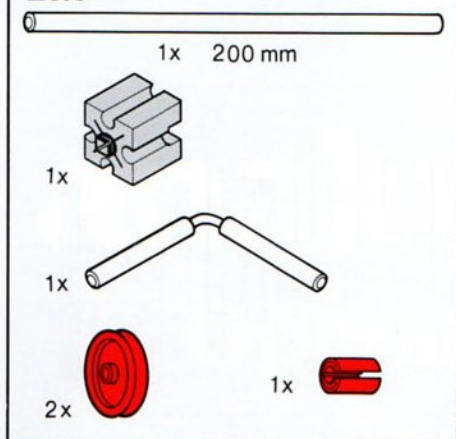


26.5

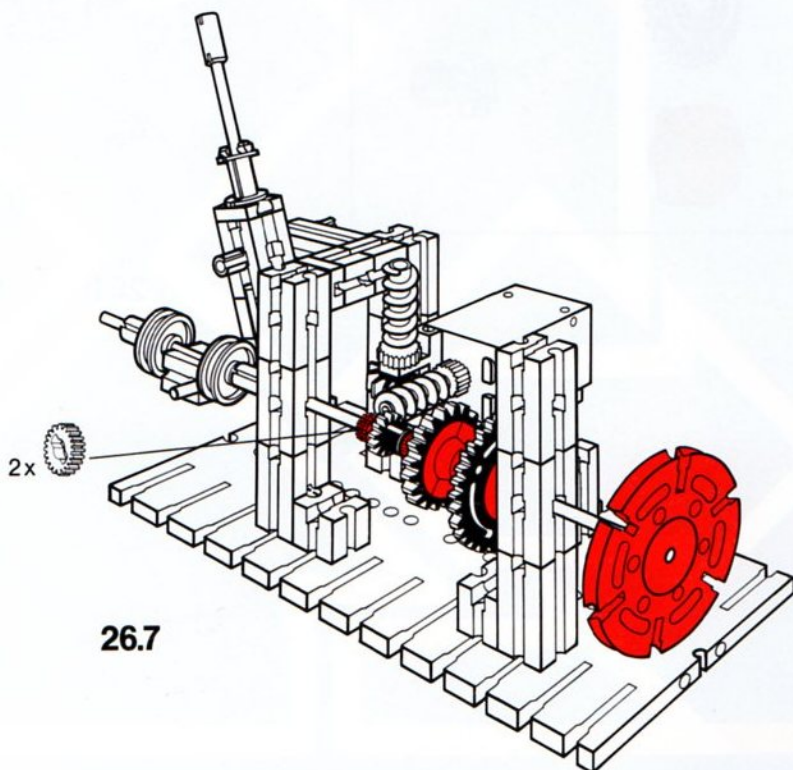
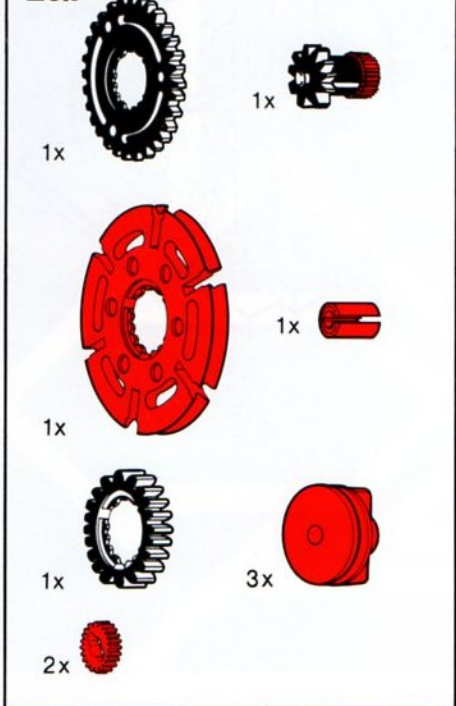


50 mm 60 mm

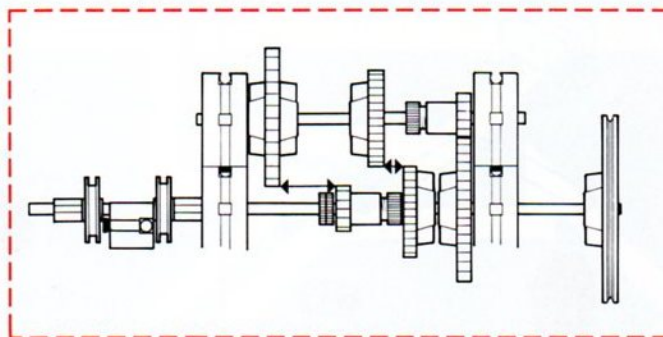
26.6



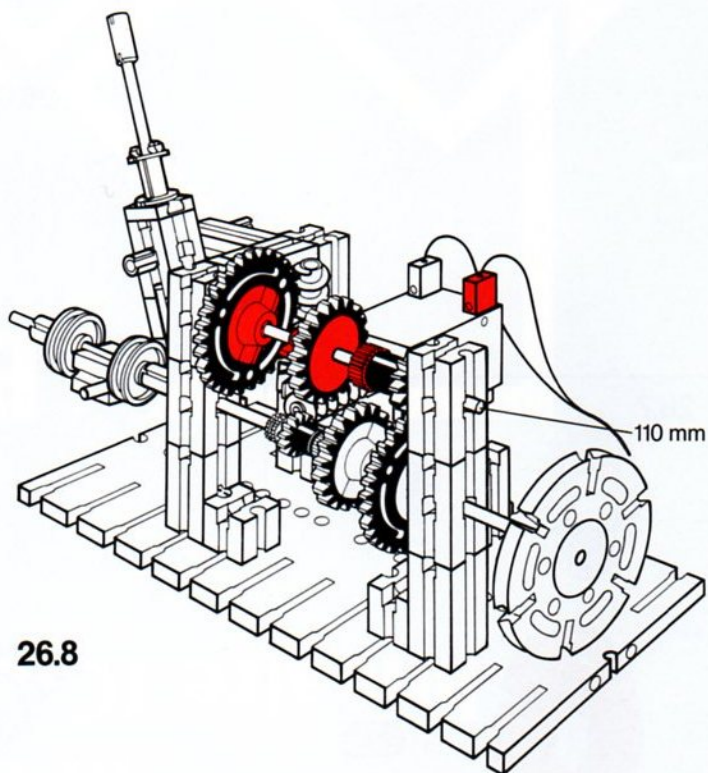
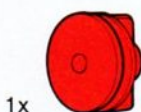
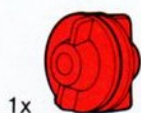
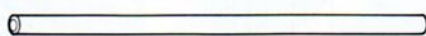
26.7



100 110 mm

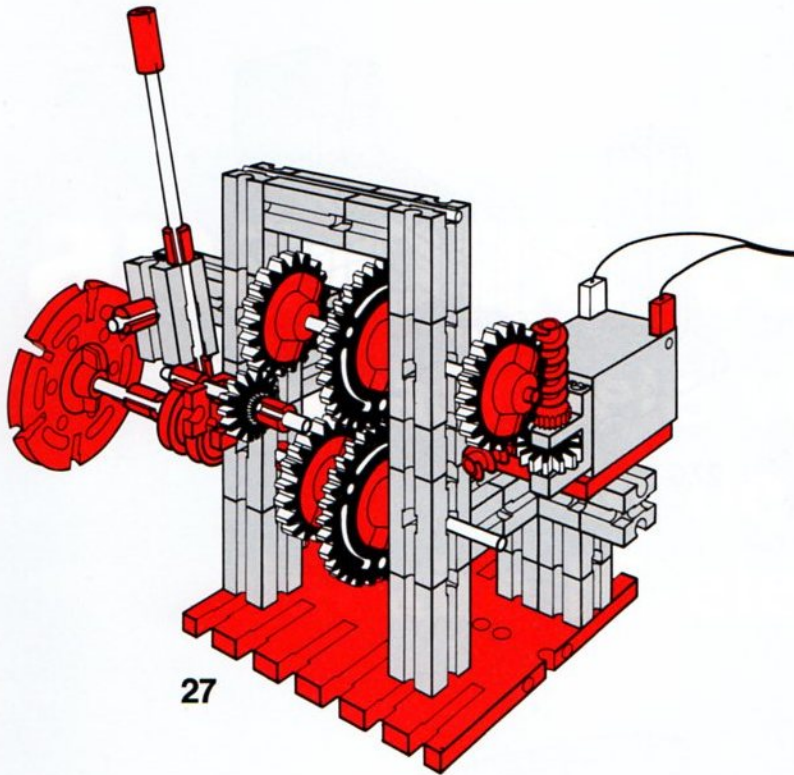


26.8



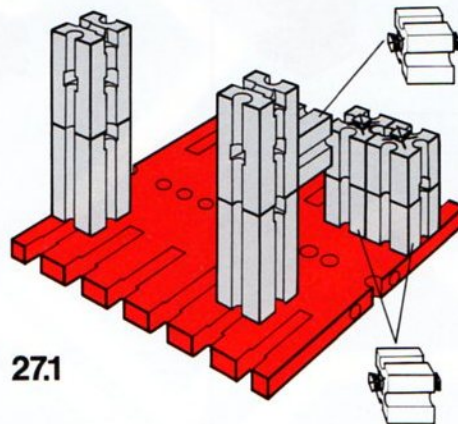
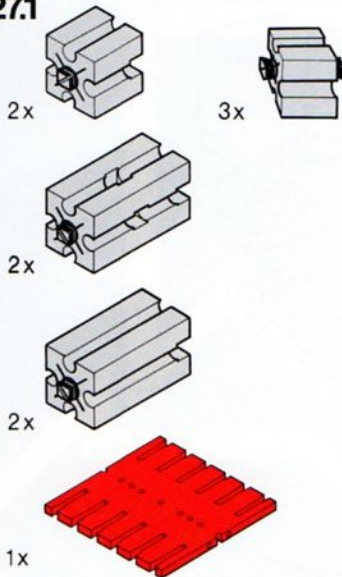
26.8





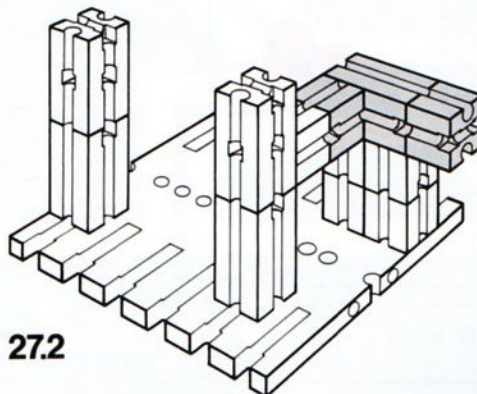
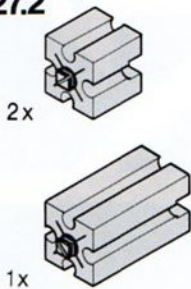
27

27.1



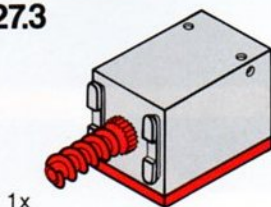
27.1

27.2



27.2

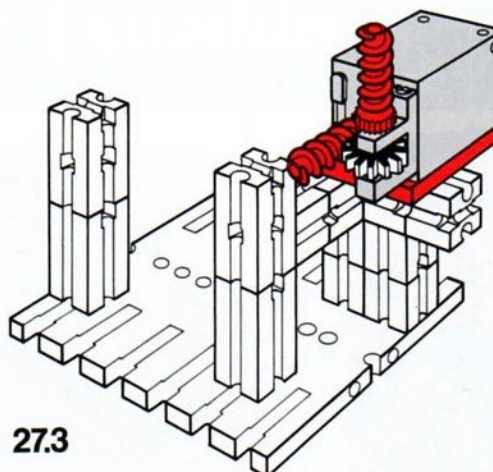
27.3



1x



1x



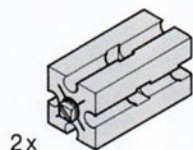
27.3

27.4

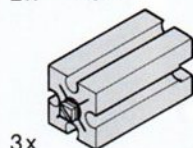


1x

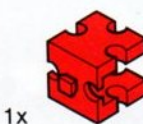
2x



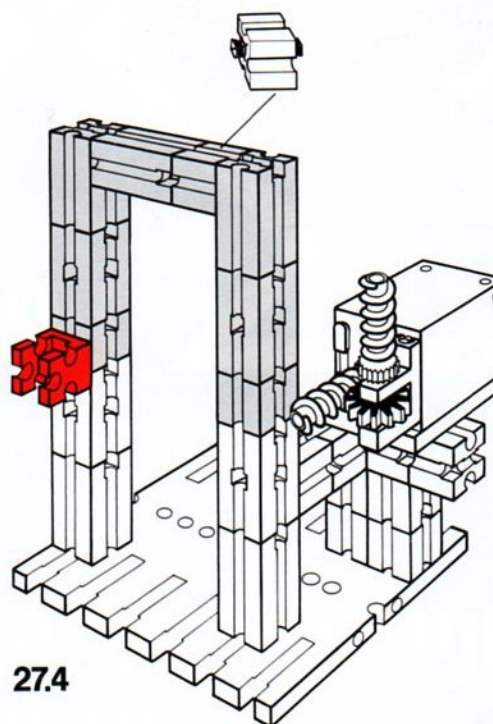
2x



3x

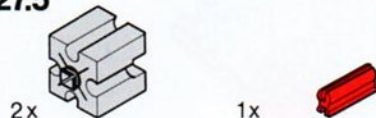


1x



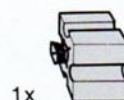
27.4

27.5

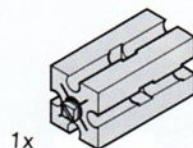


2x

1x



1x



1x



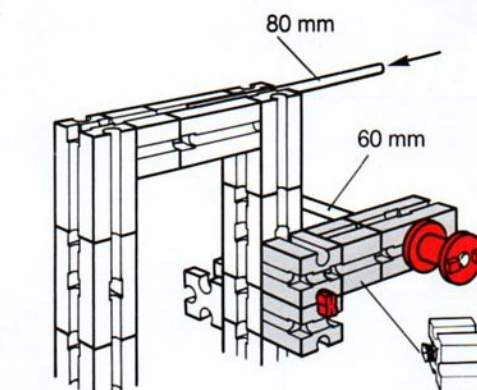
1x



1x 60 mm



1x 80 mm

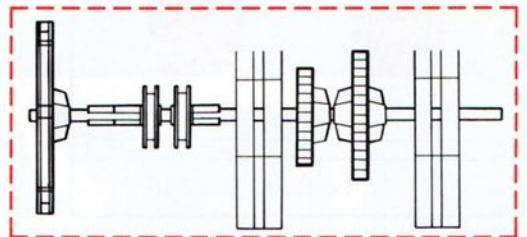
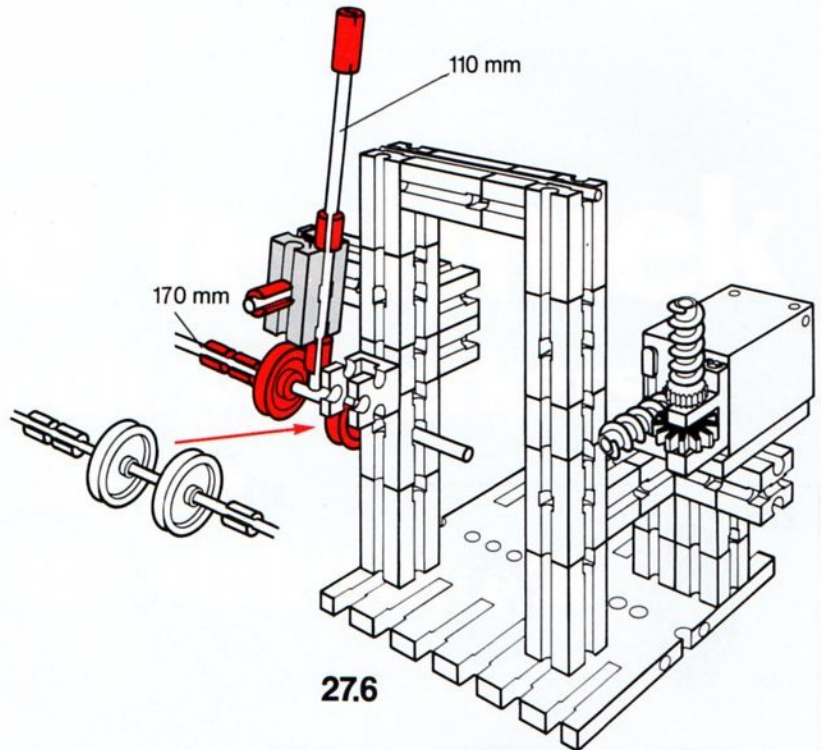
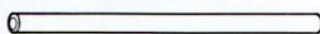
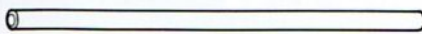
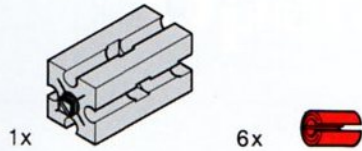


27.5

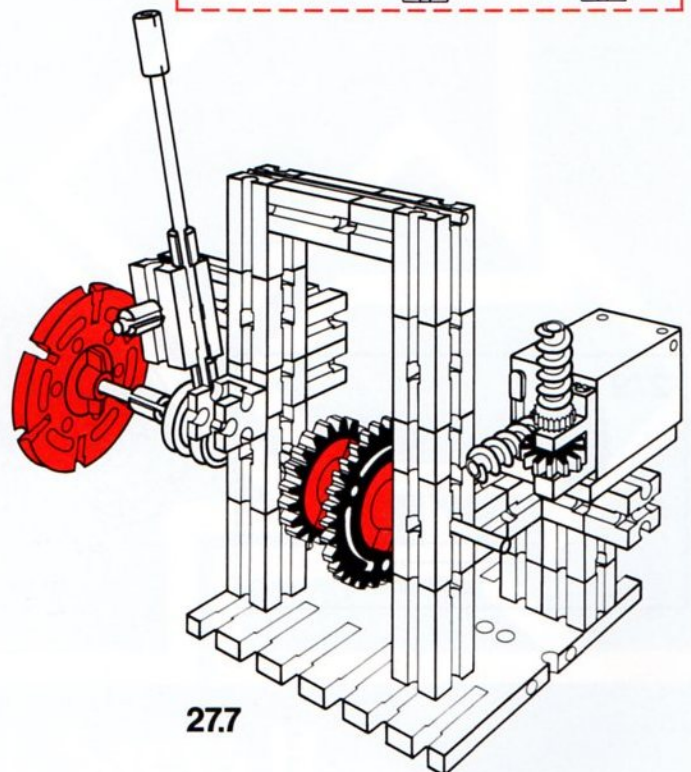
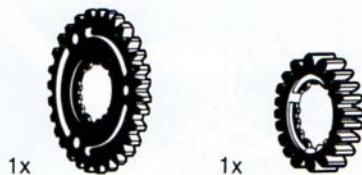
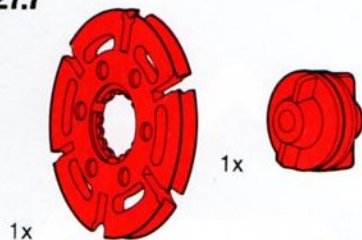
60 mm

80 mm

27.6

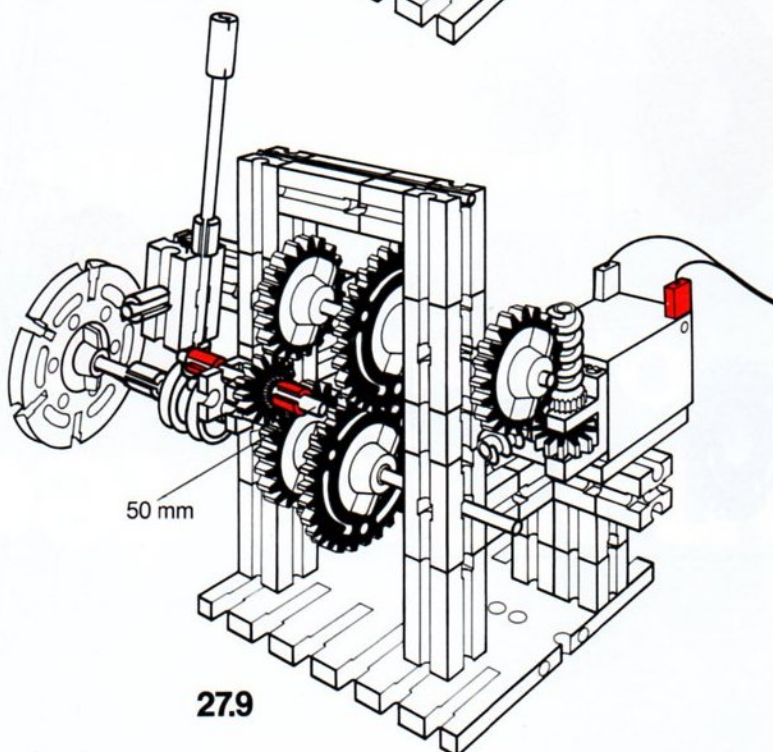
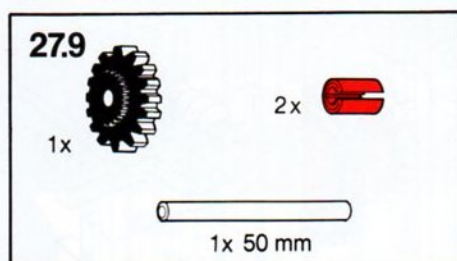
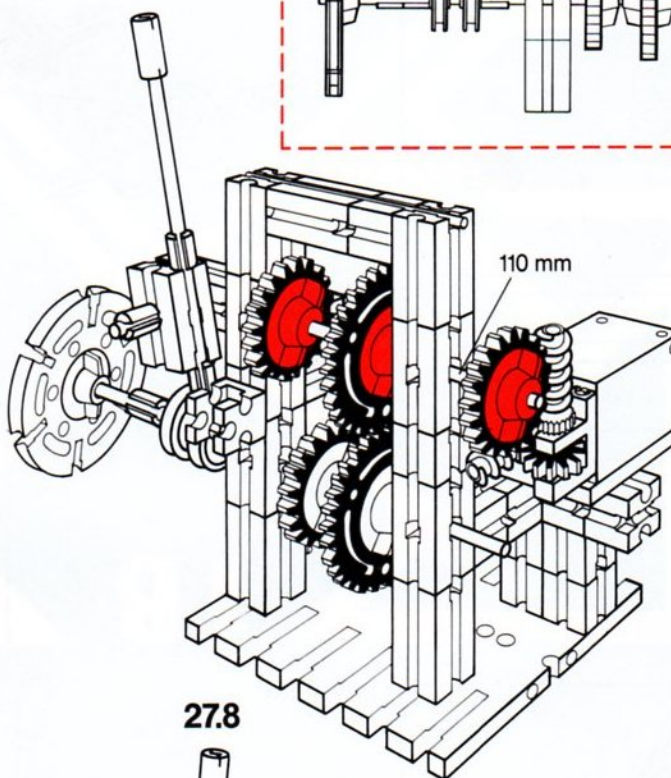
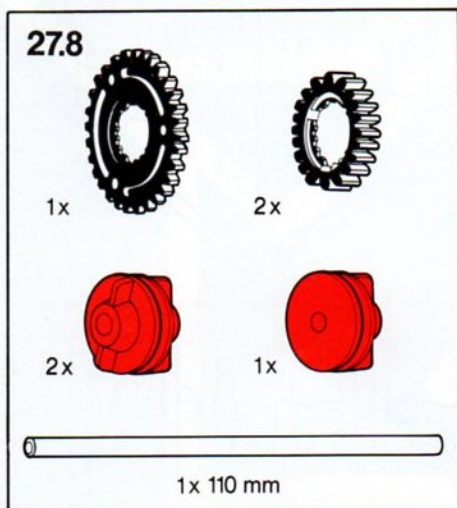
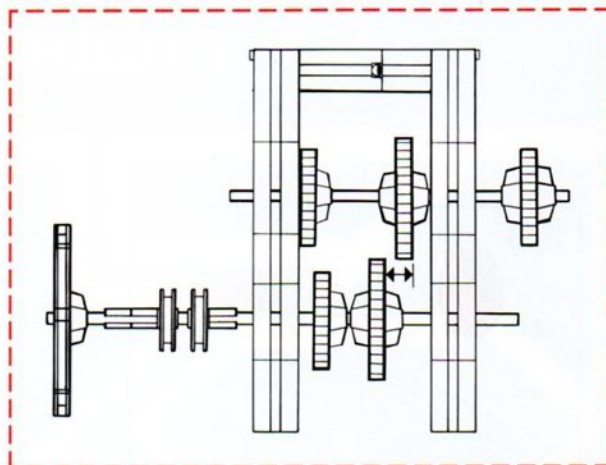


27.7



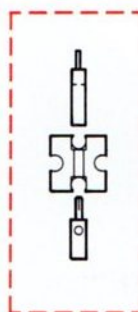
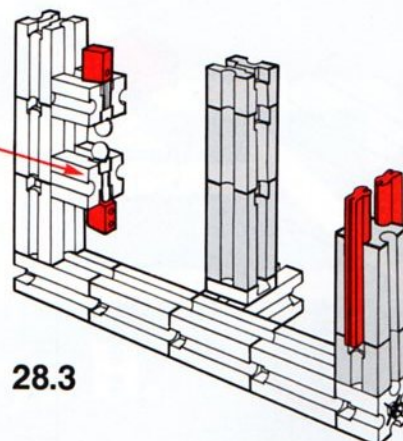
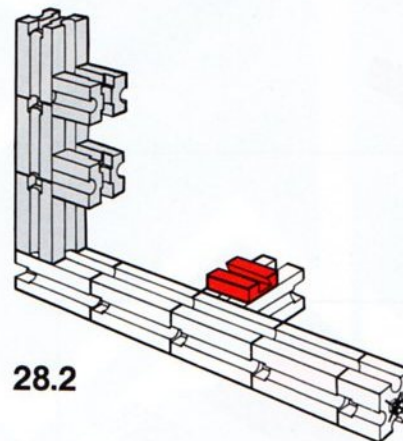
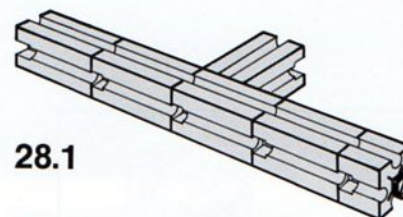
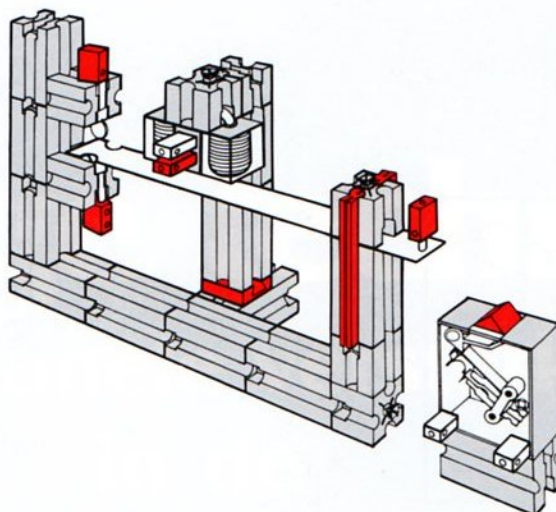
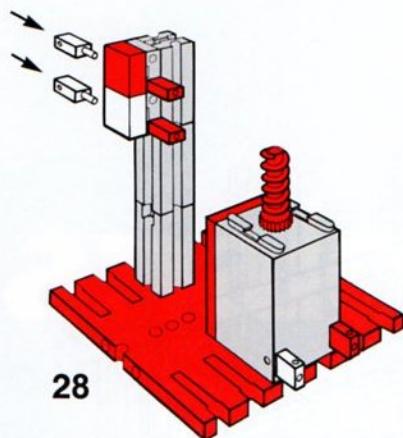
110 mm

170 mm

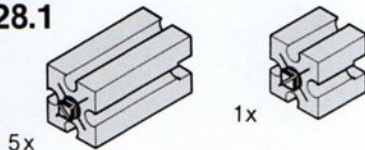


50 mm

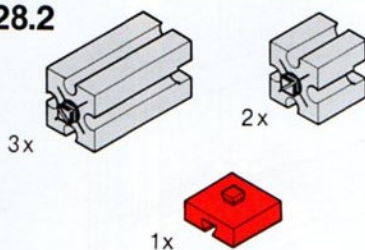
110 mm



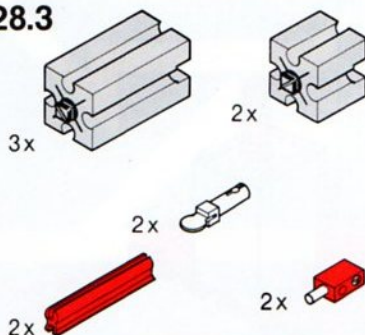
28.1



28.2



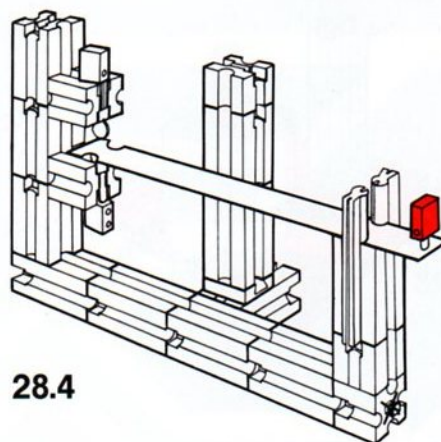
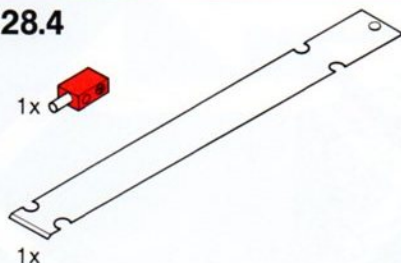
28.3



28.4



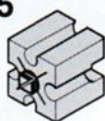
1x



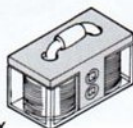
28.4

28.5

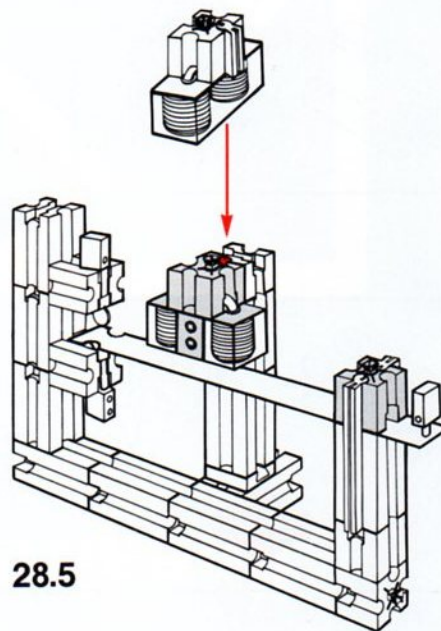
2x



1x



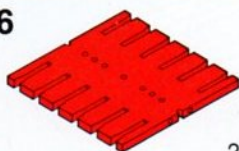
1x



28.5

28.6

1x



2x



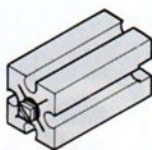
1x



1x

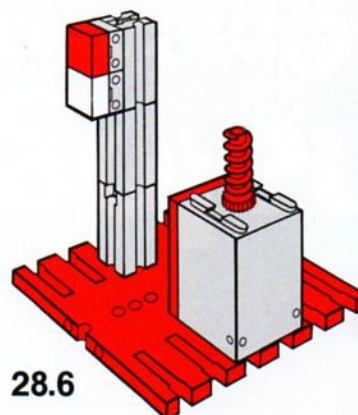
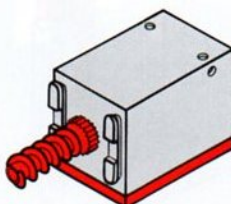


3x

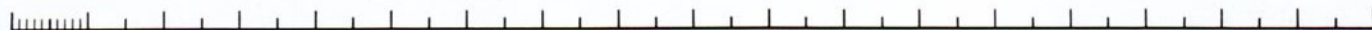


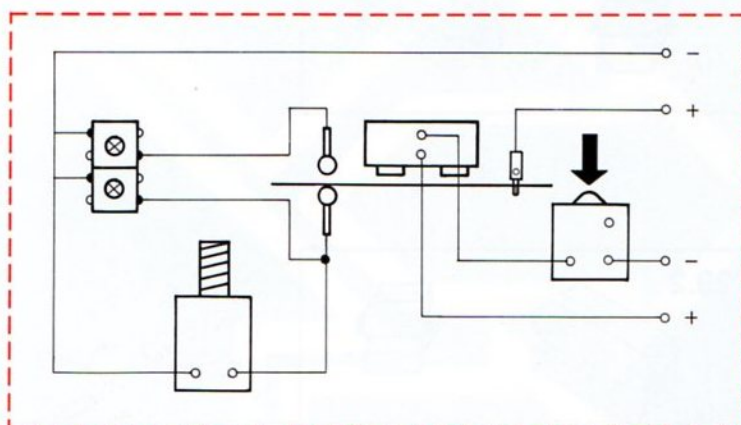
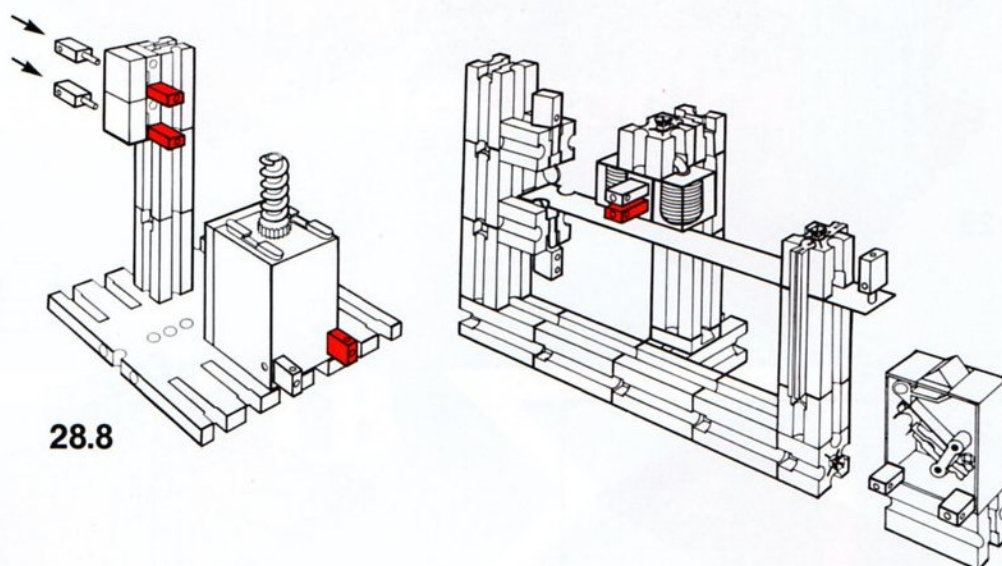
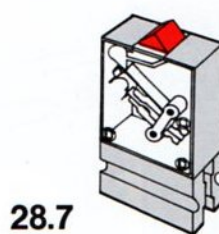
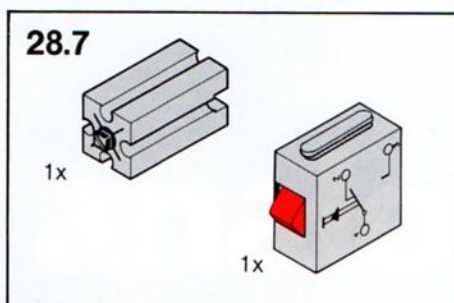
2x

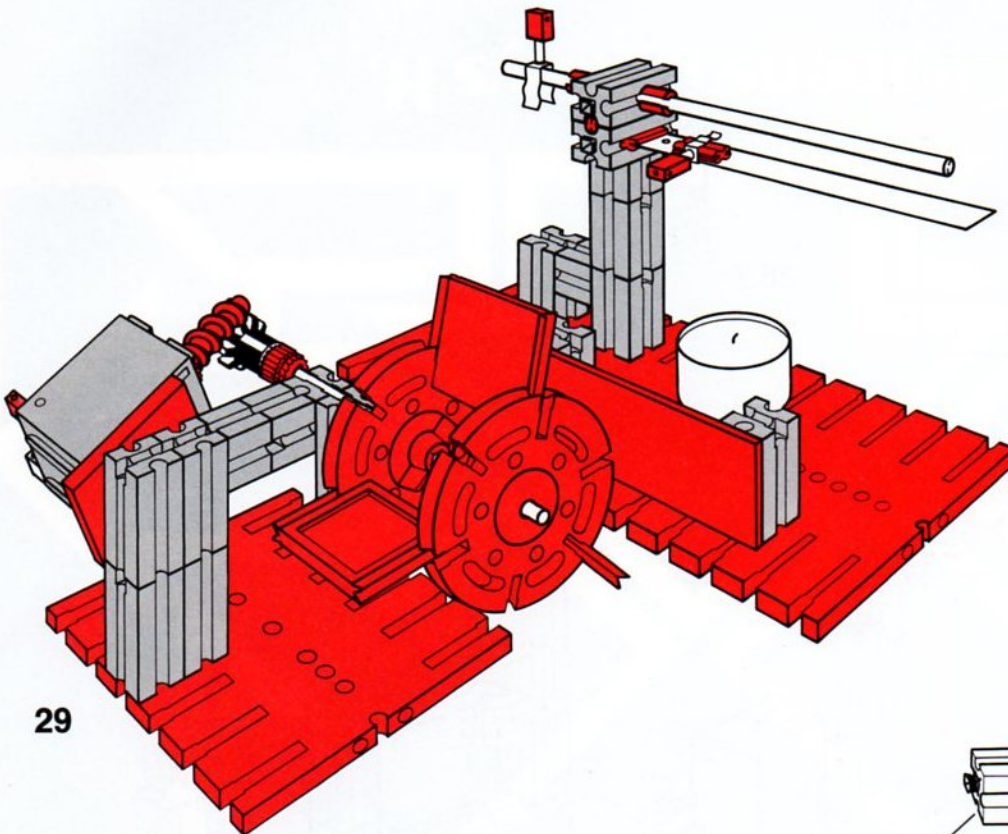
1x



28.6

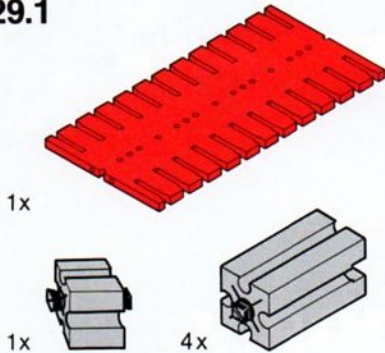




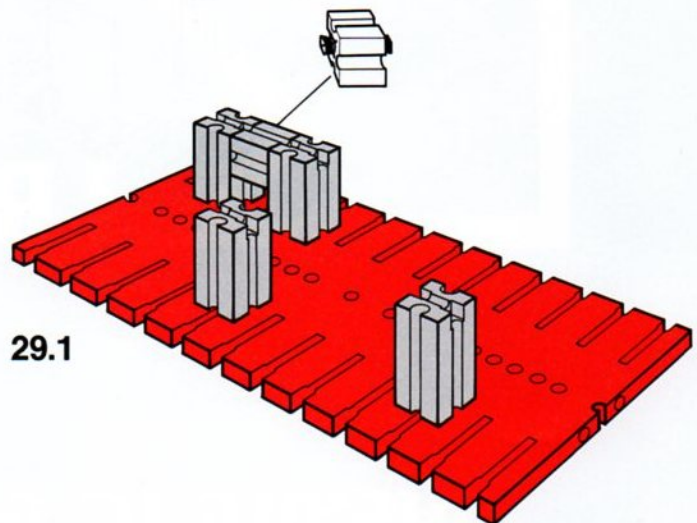


29

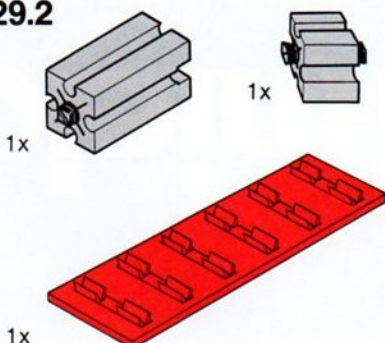
29.1



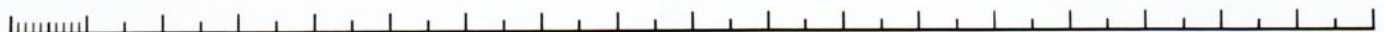
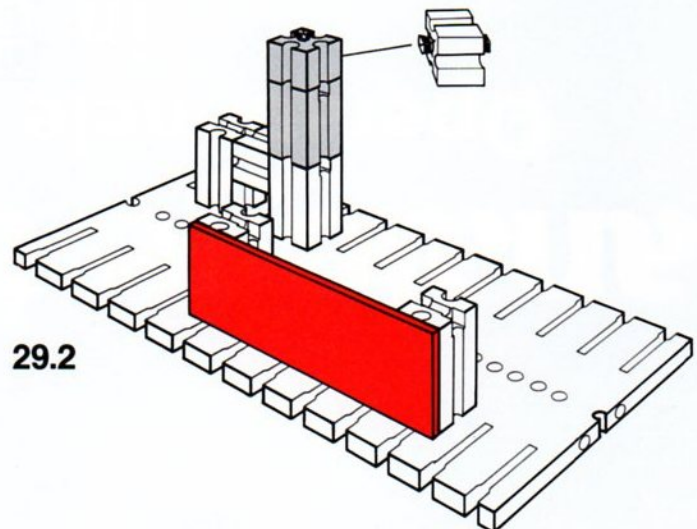
29.1

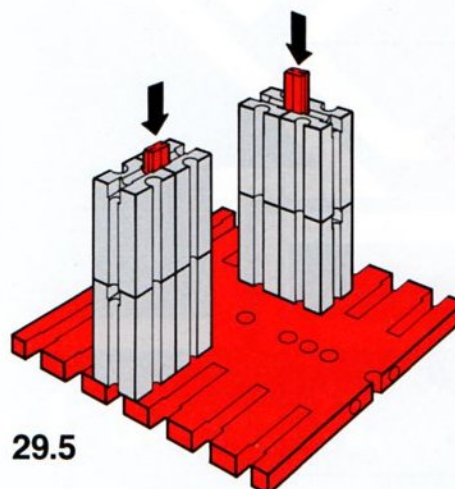
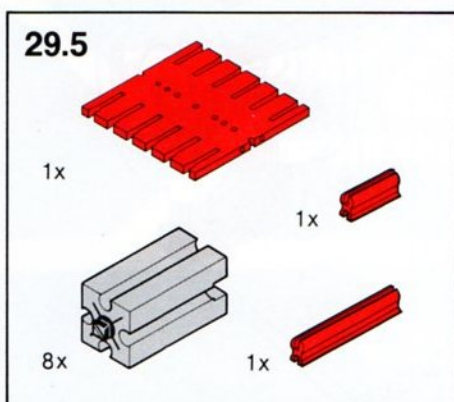
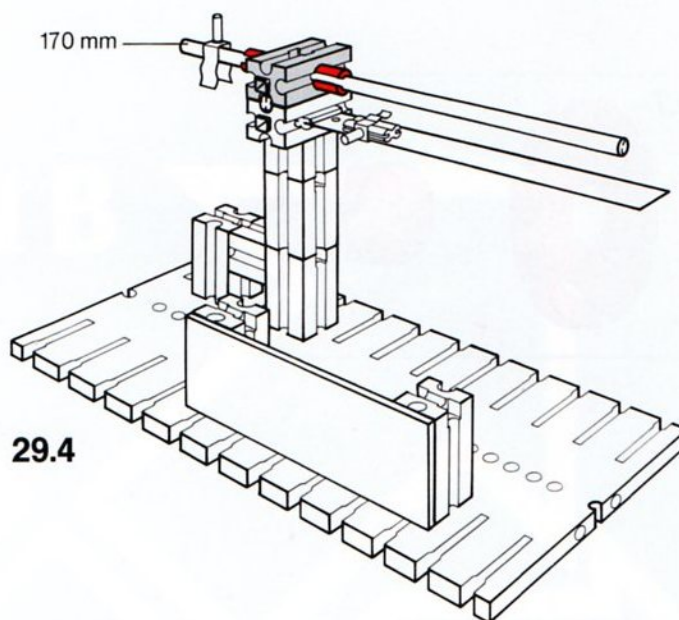
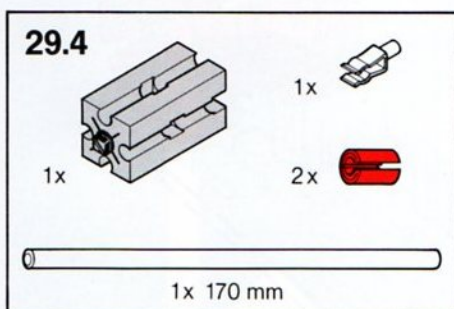
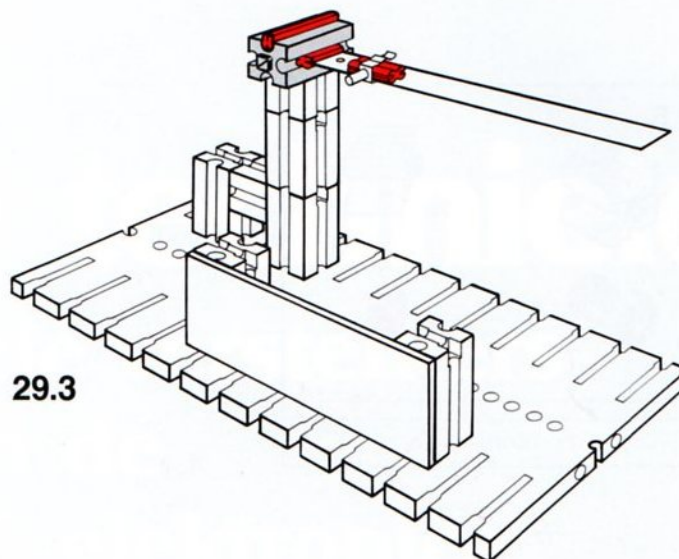
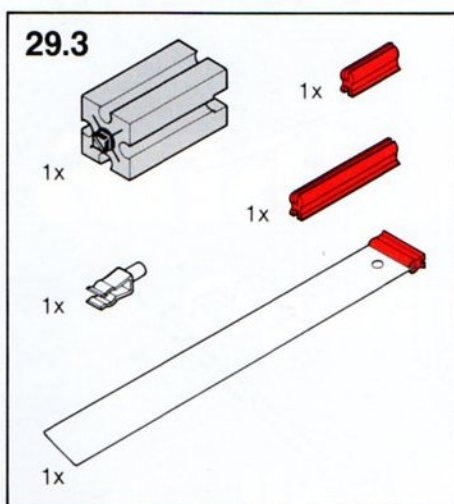


29.2

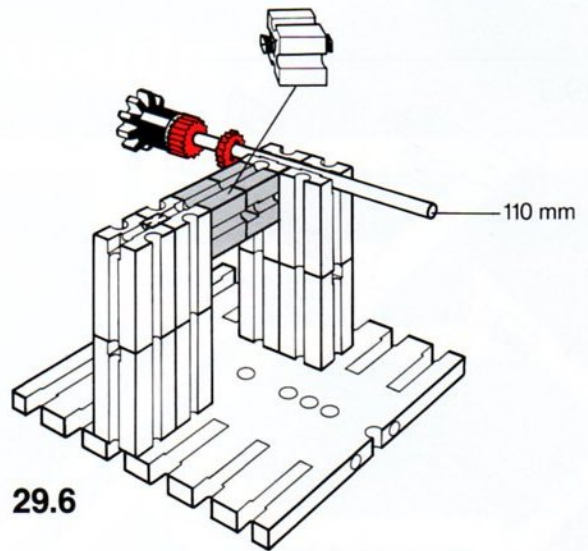
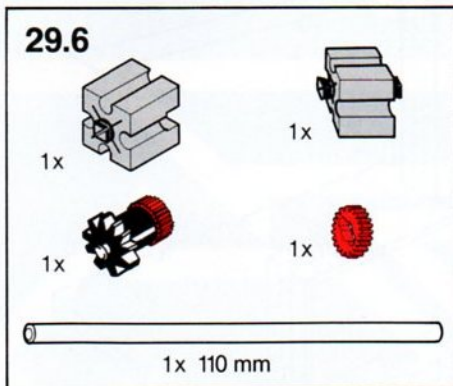


29.2



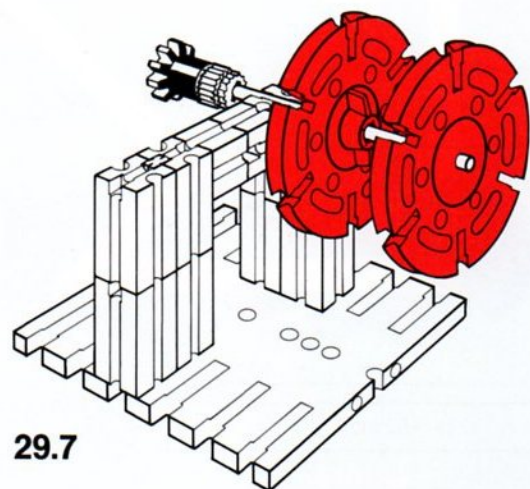
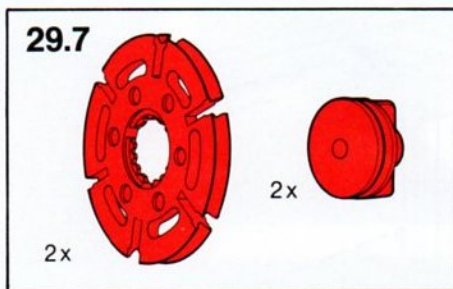


29.6



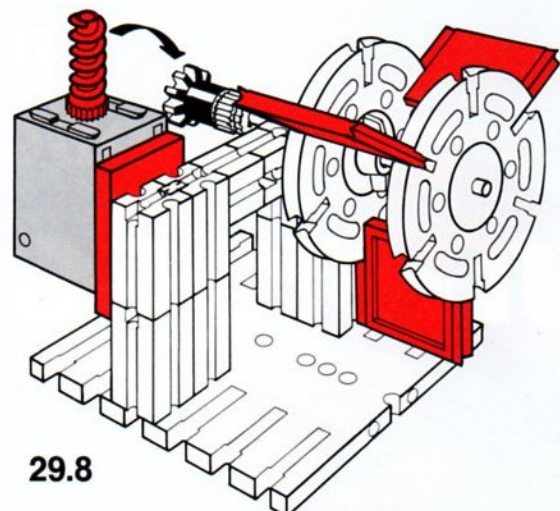
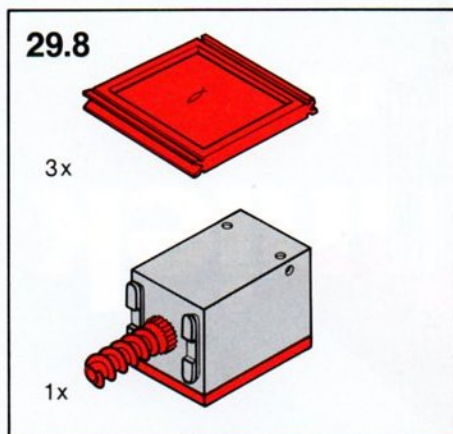
29.6

29.7



29.7

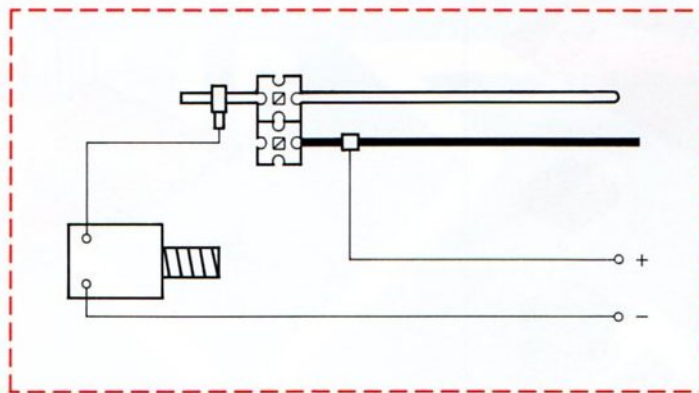
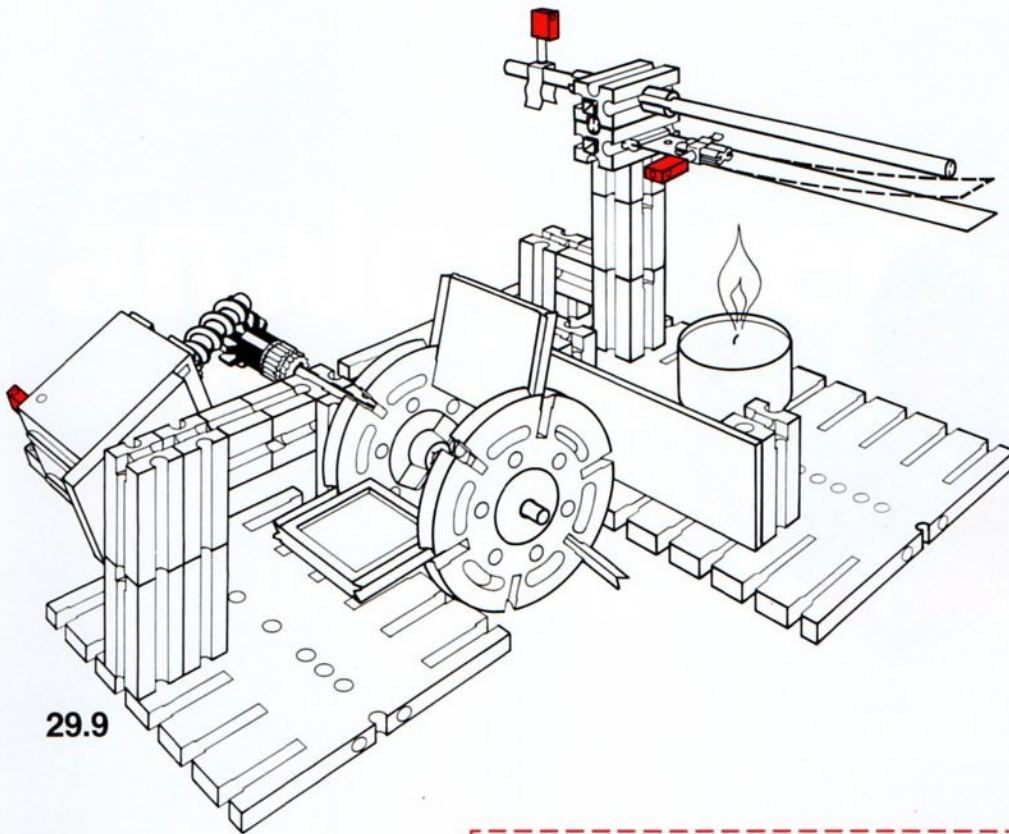
29.8

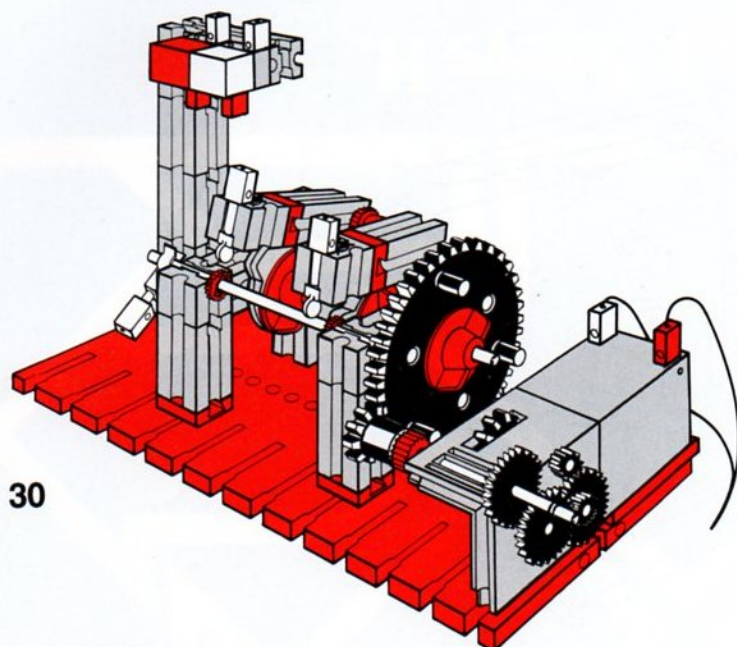


29.8

110 mm

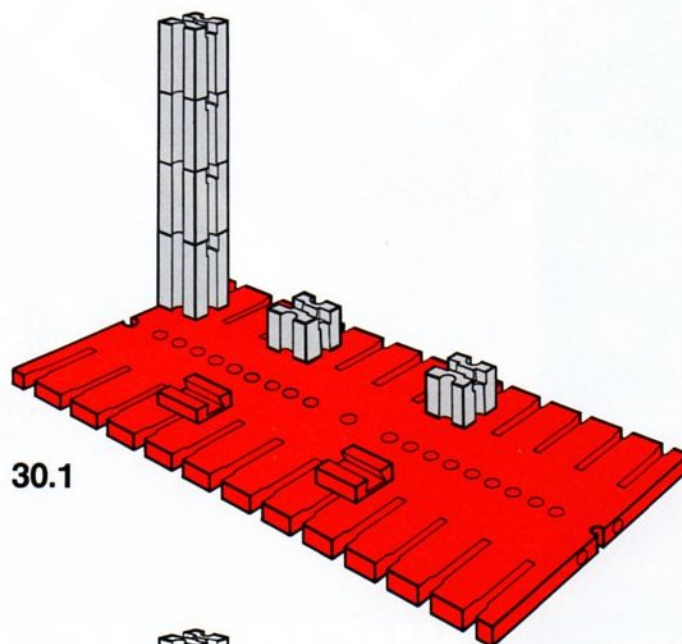
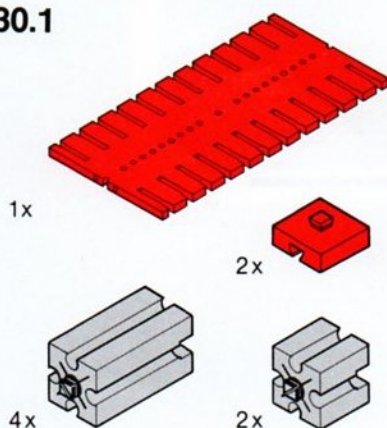






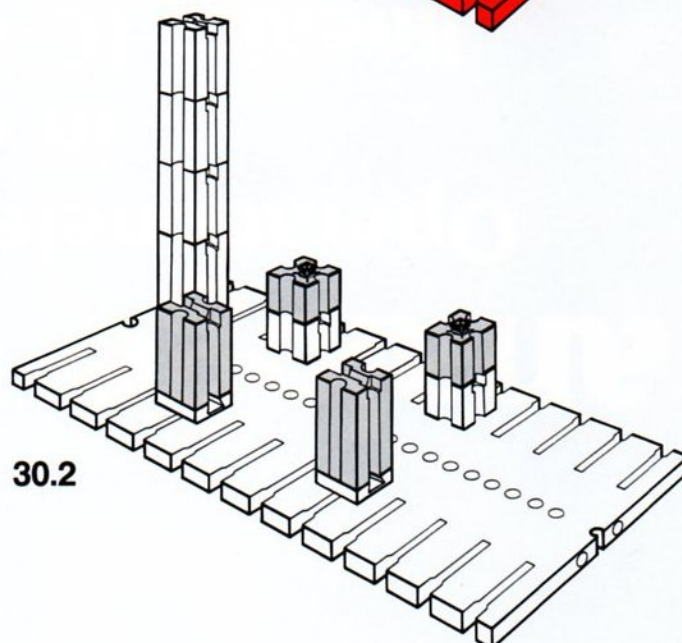
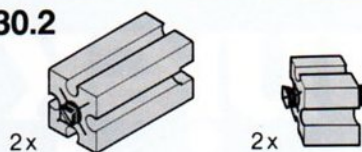
30

30.1



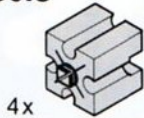
30.1

30.2

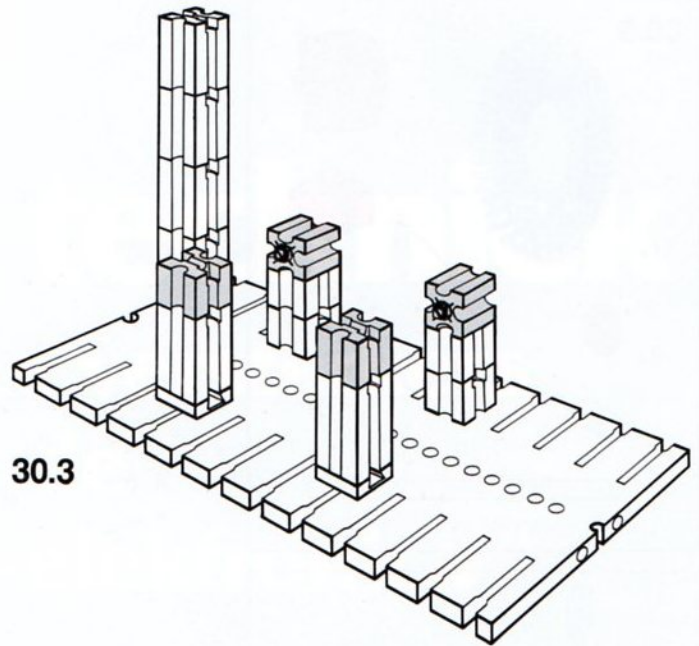


30.2

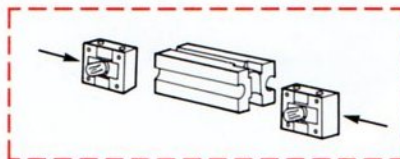
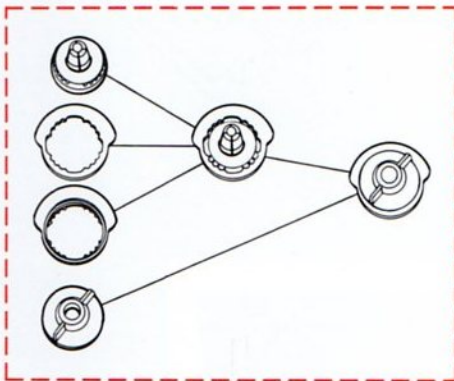
30.3



4x



30.3



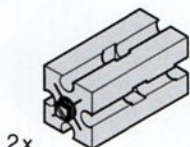
30.4



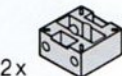
2x



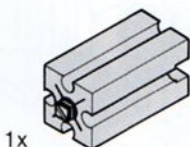
4x



2x



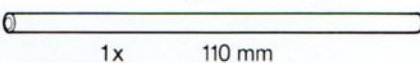
2x



1x

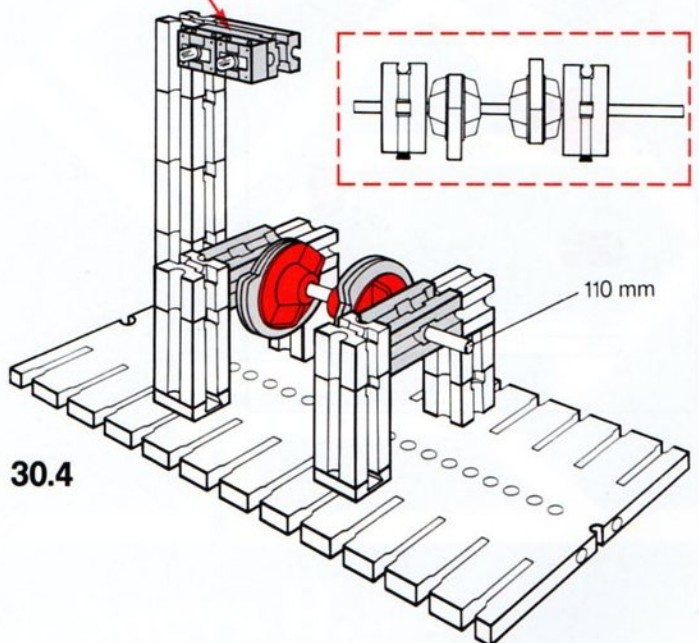


2x

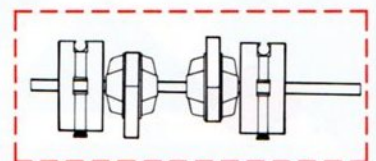


1x

110 mm



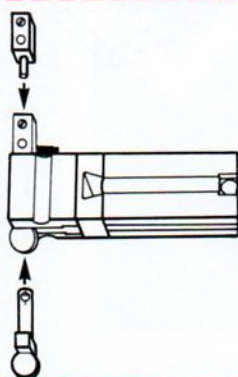
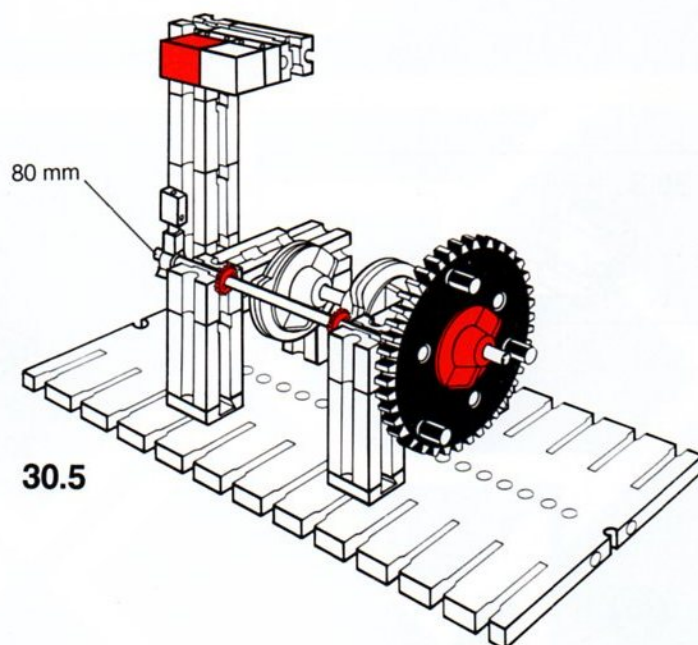
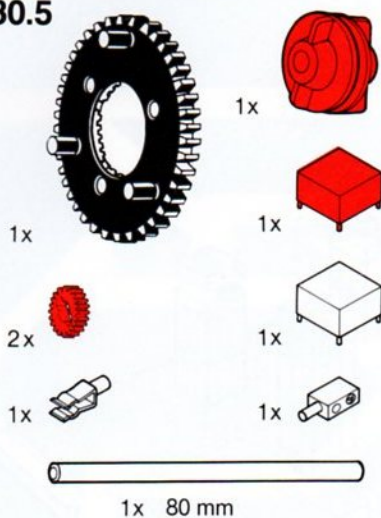
30.4



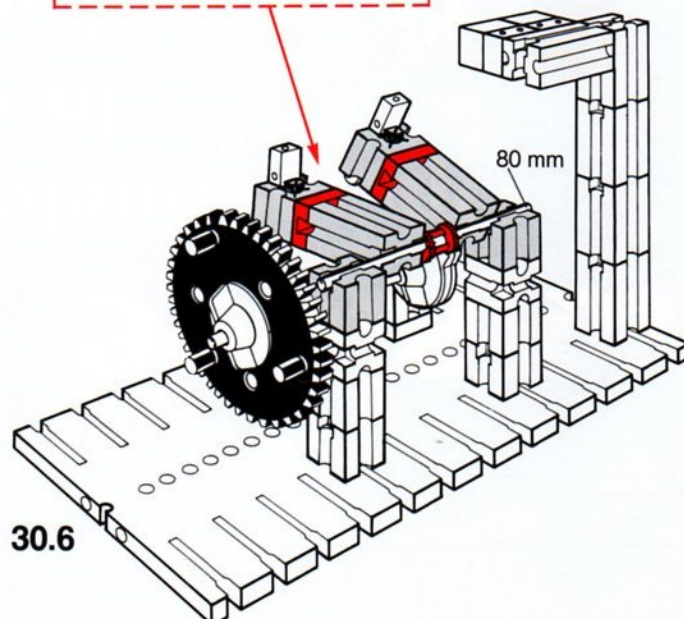
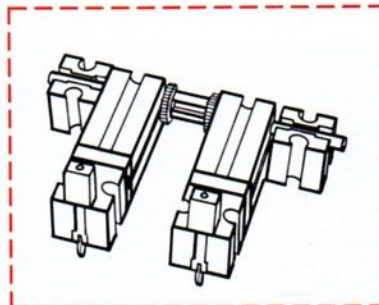
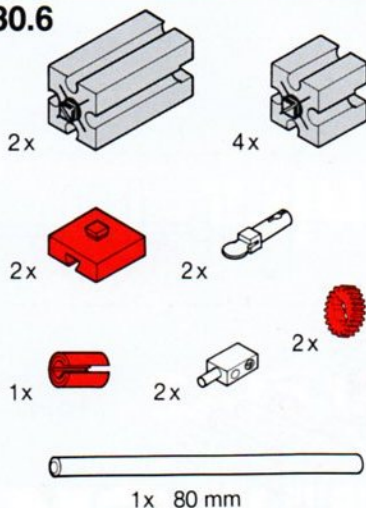
110 mm

110 mm

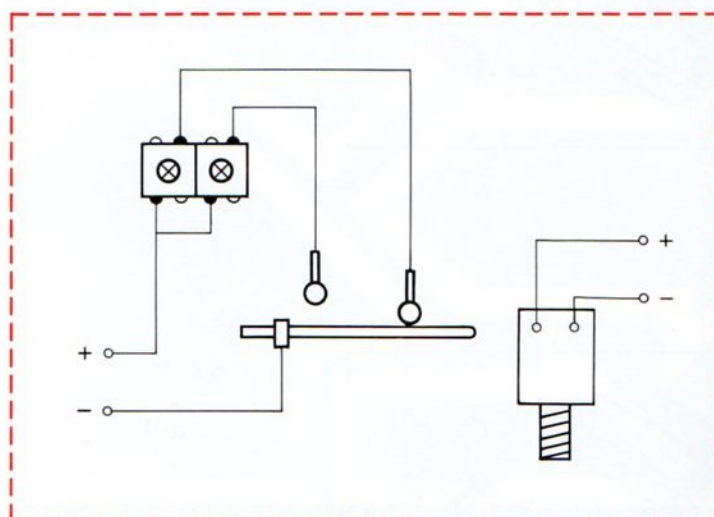
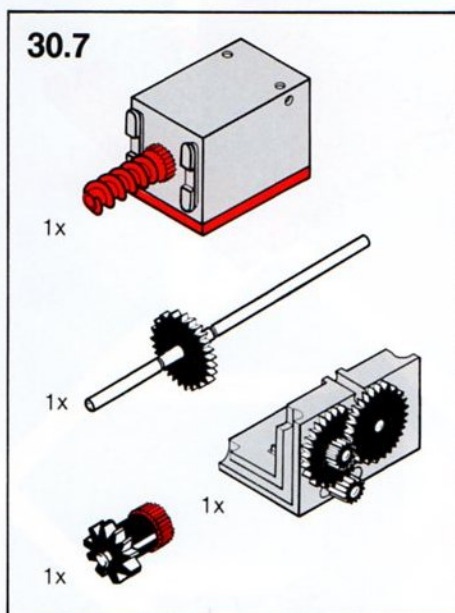
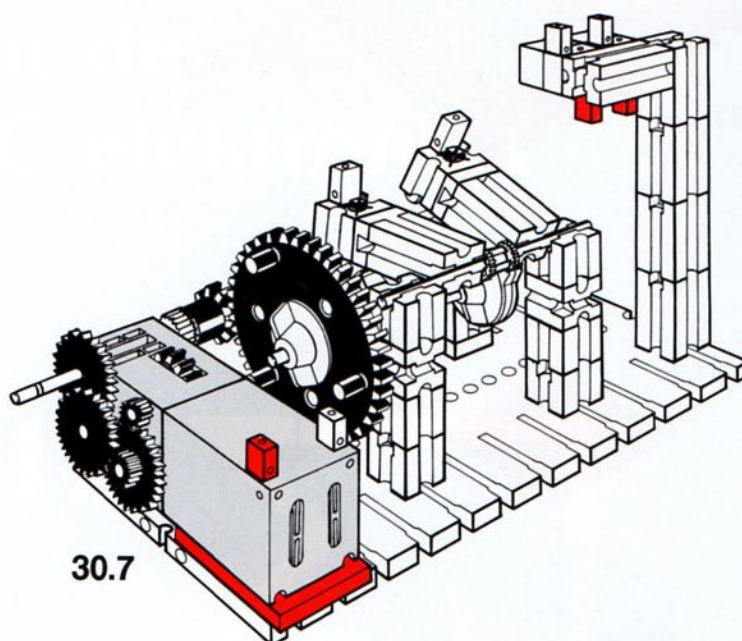
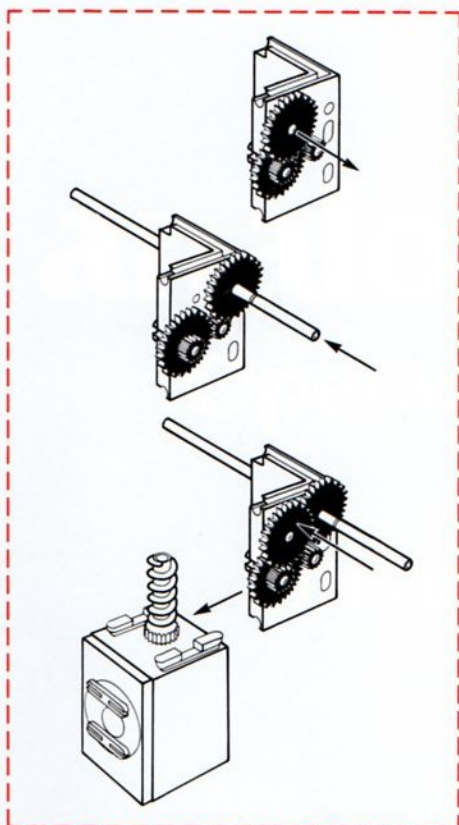
30.5

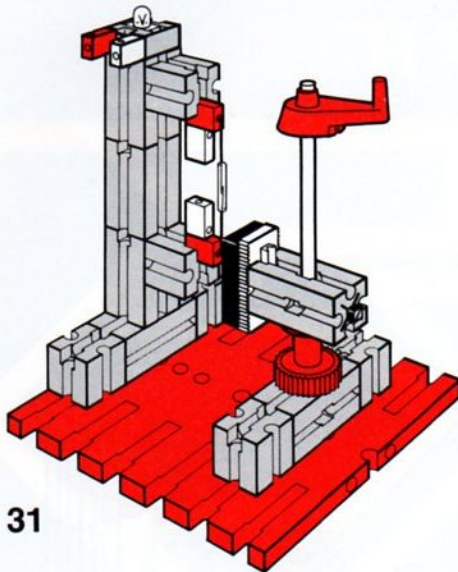


30.6



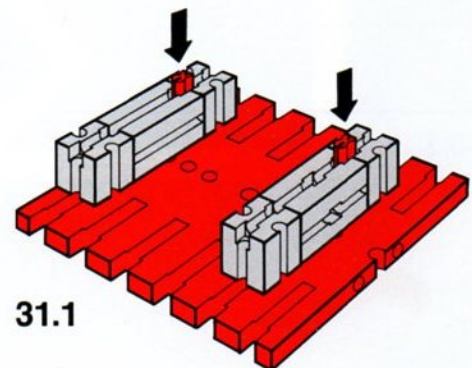
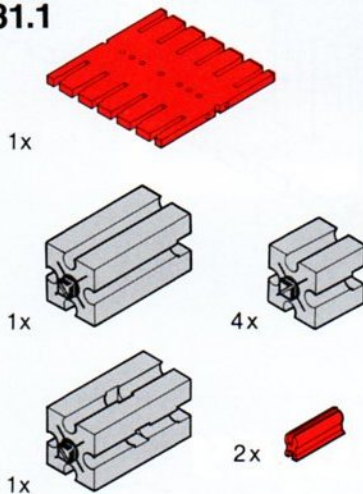
80 mm





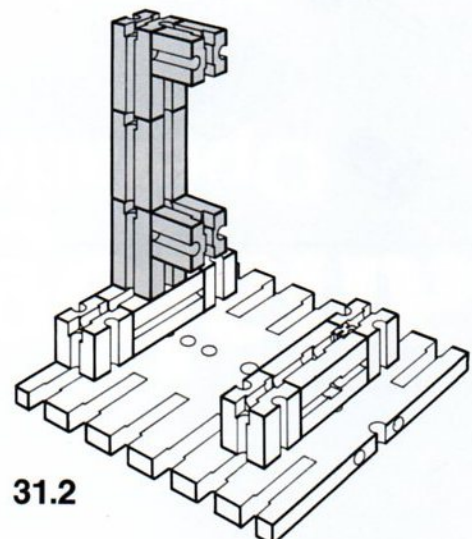
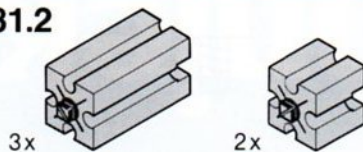
31

31.1



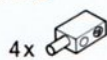
31.1

31.2

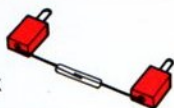


31.2

31.3

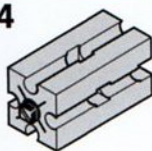


1x



31.4

1x



1x



1x



1x

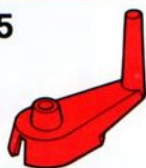


1x 110 mm



31.5

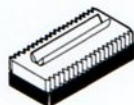
1x



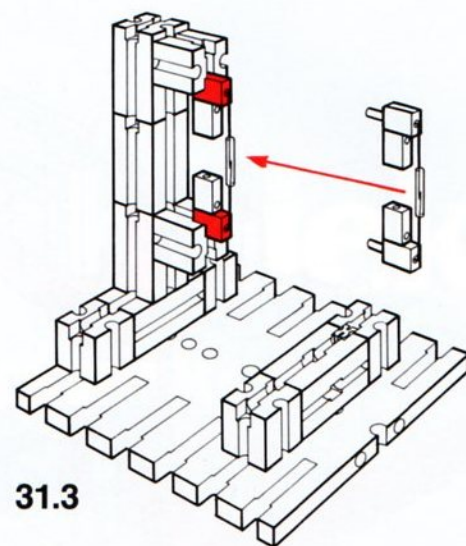
1x



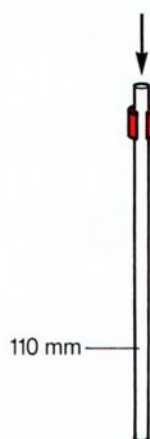
1x



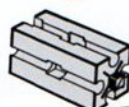
1x



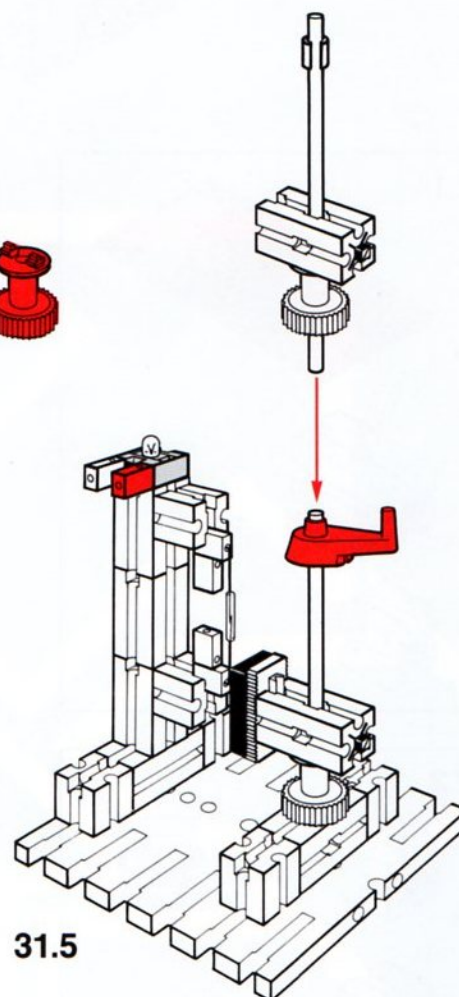
31.3



110 mm

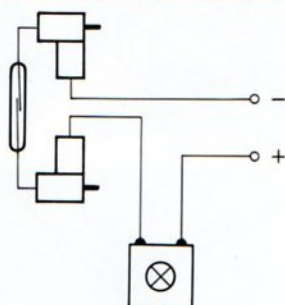


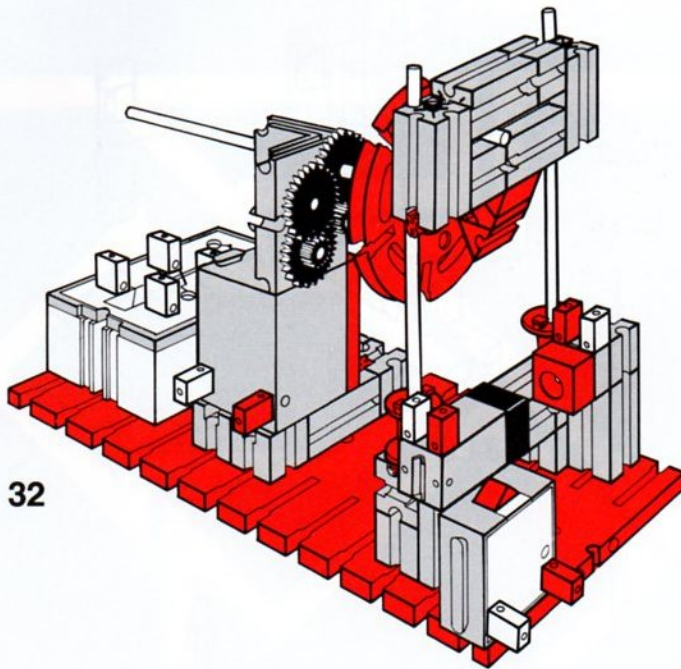
31.4



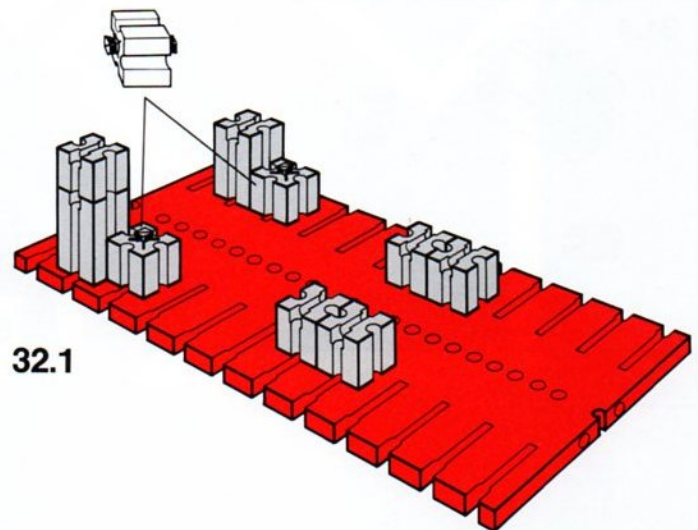
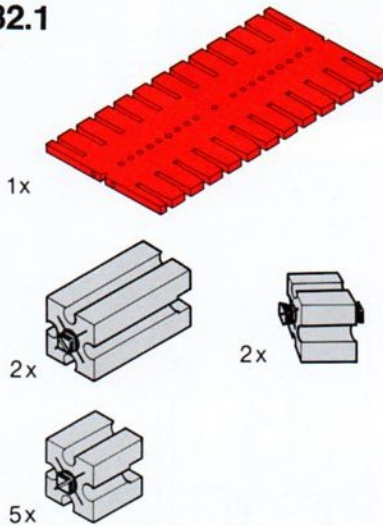
31.5

110 mm

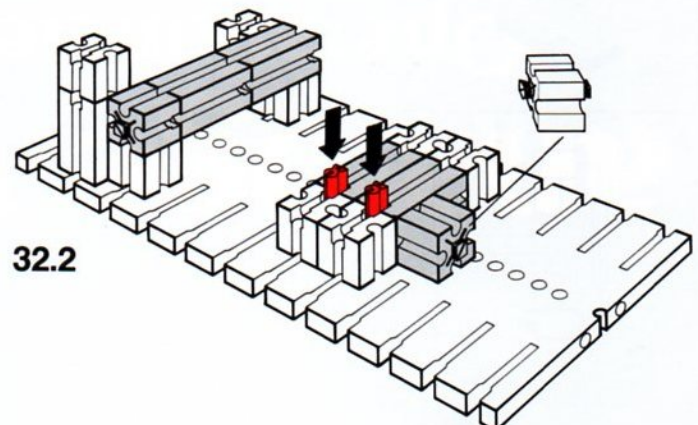
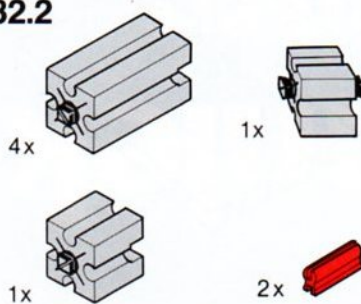




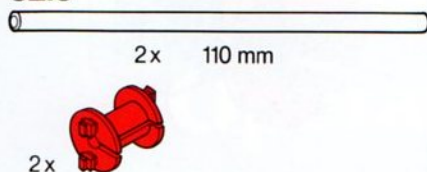
32.1



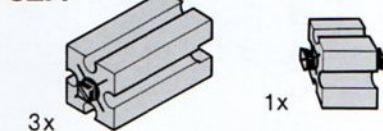
32.2



32.3



32.4



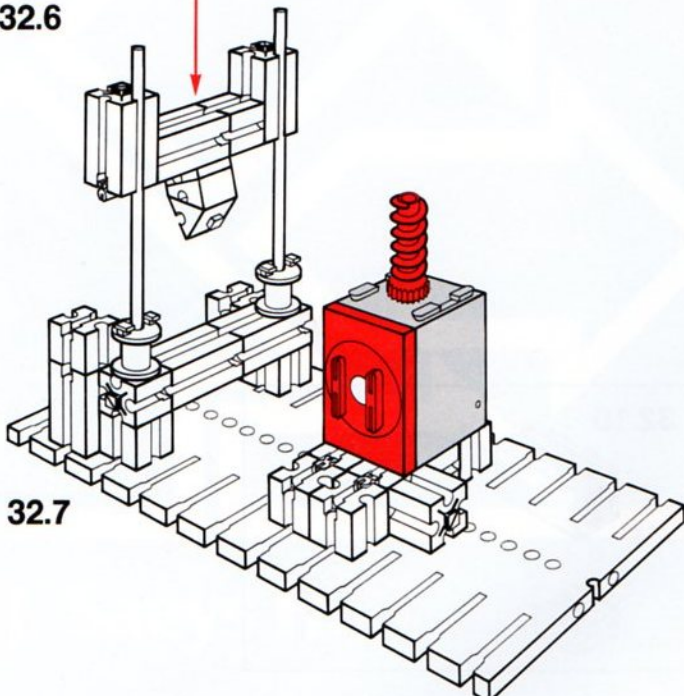
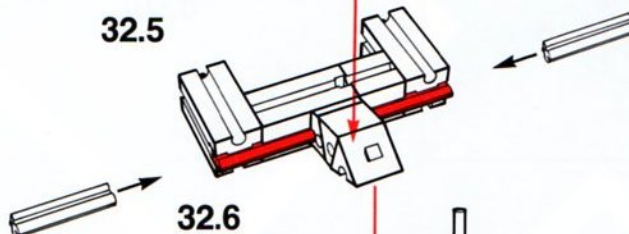
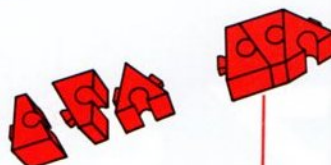
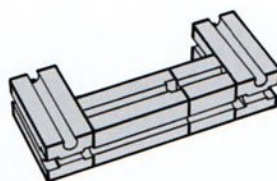
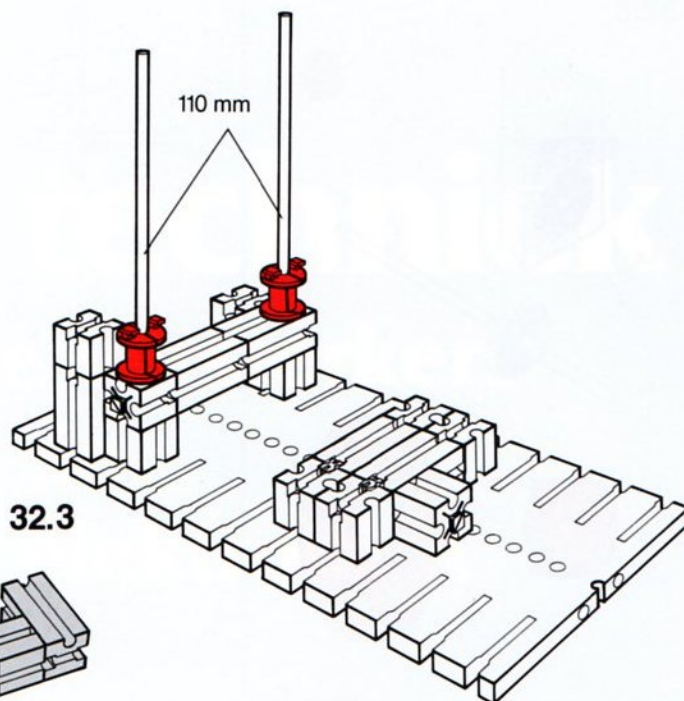
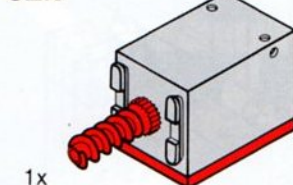
32.5



32.6



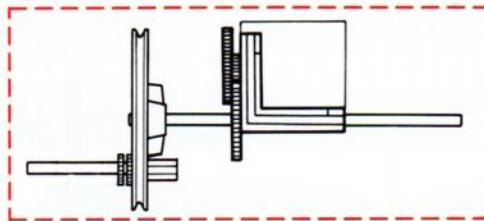
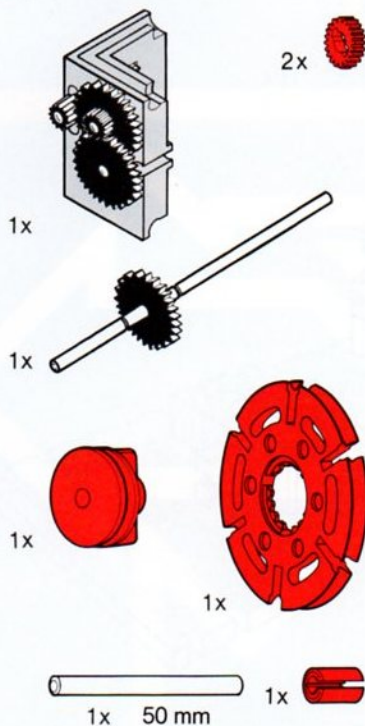
32.7



110 mm

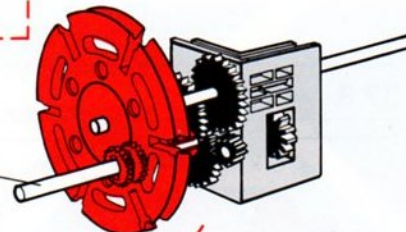


32.8

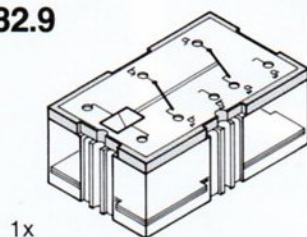


50 mm

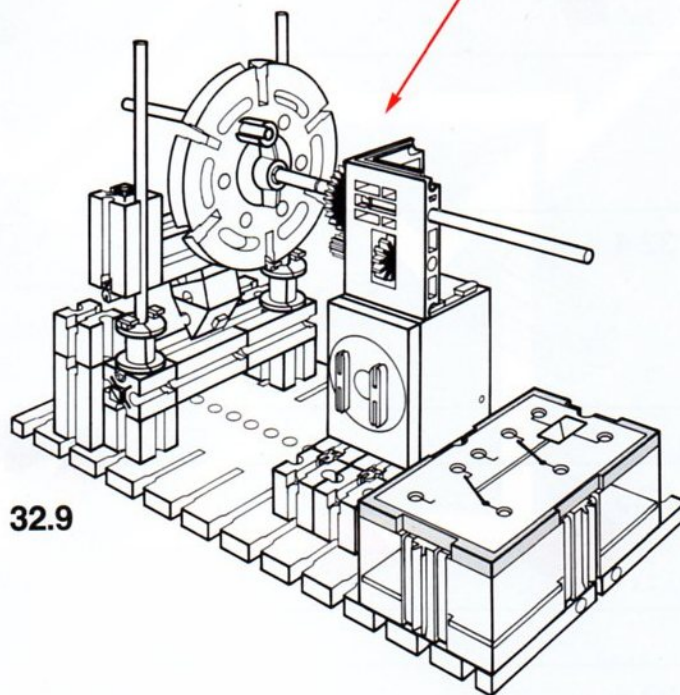
32.8



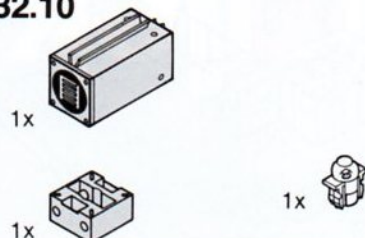
32.9



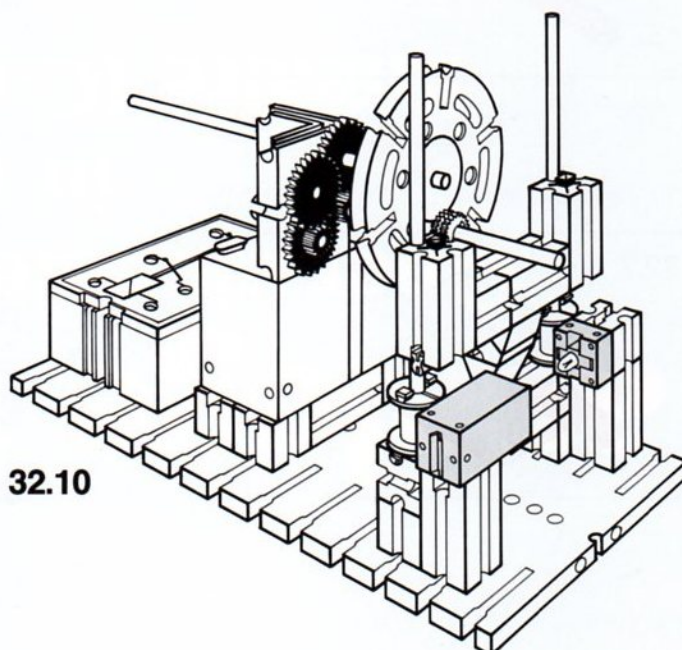
32.9



32.10



32.10



50 mm

32.11

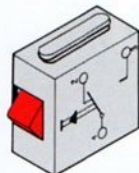
1x



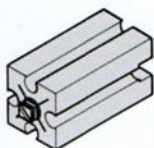
1x



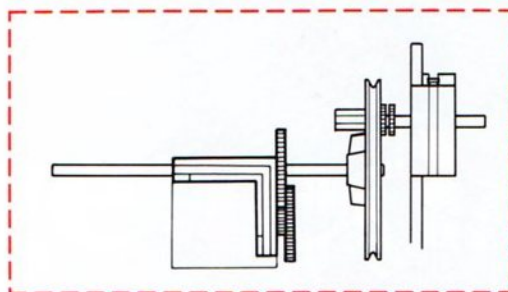
1x



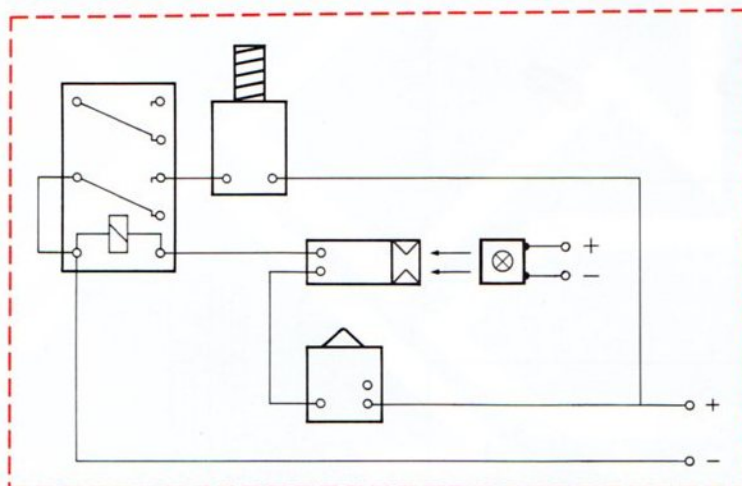
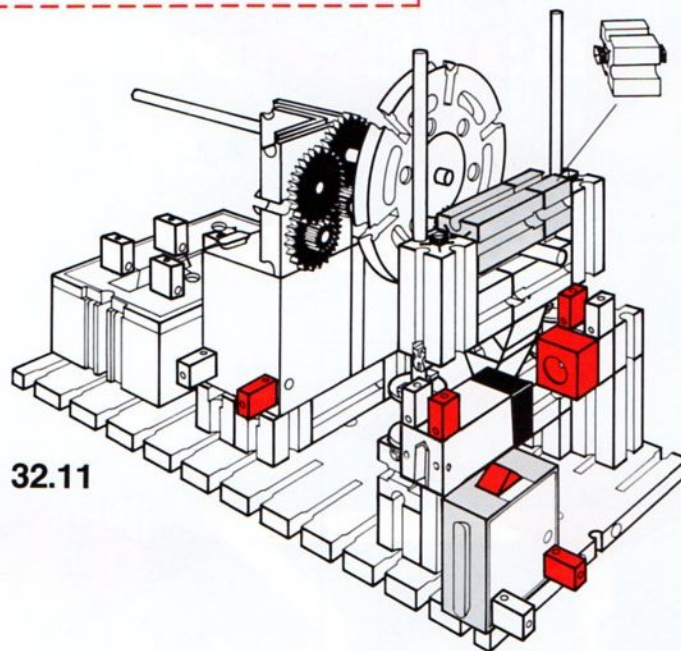
1x

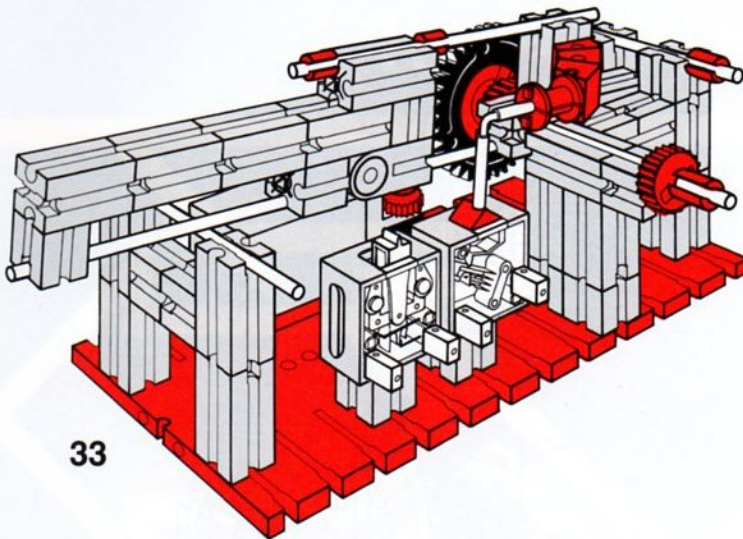


1x

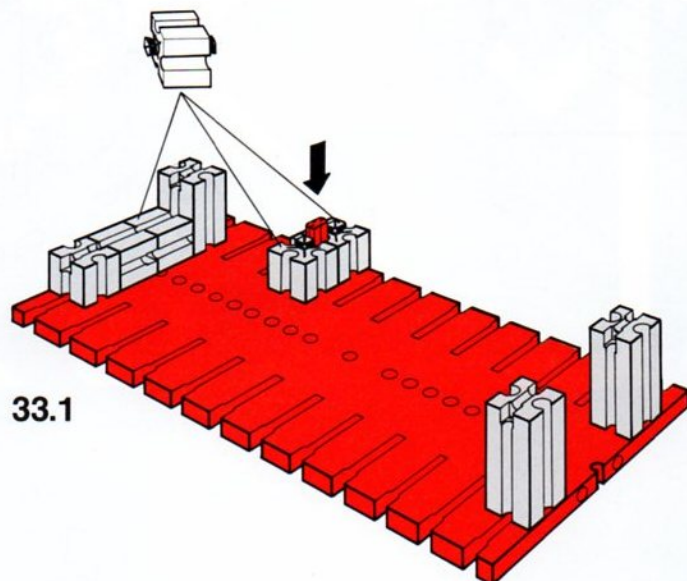
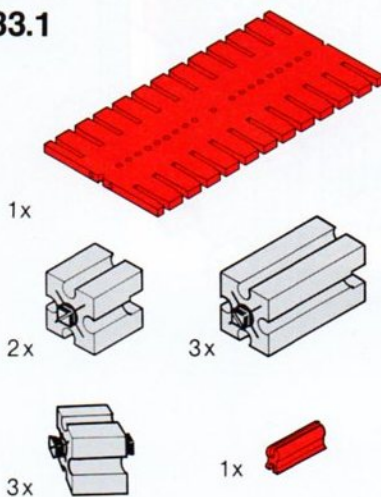


32.11

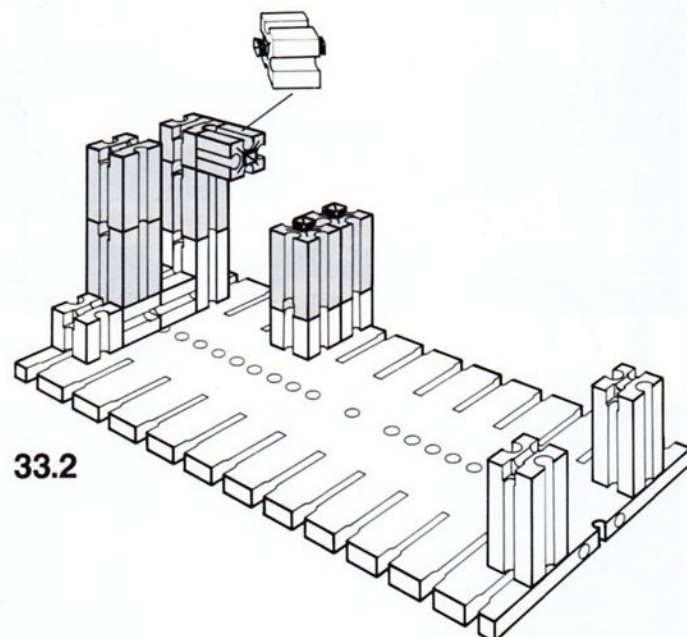
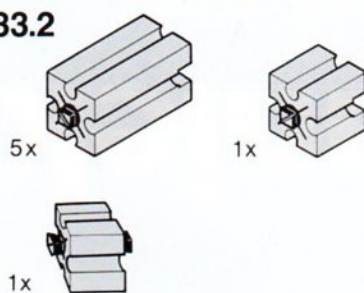


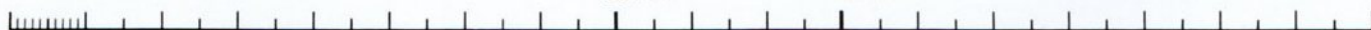
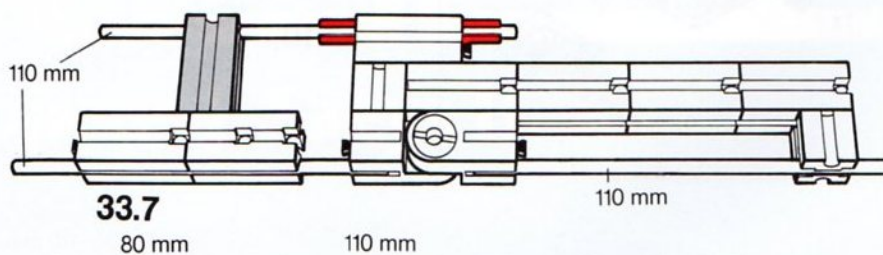
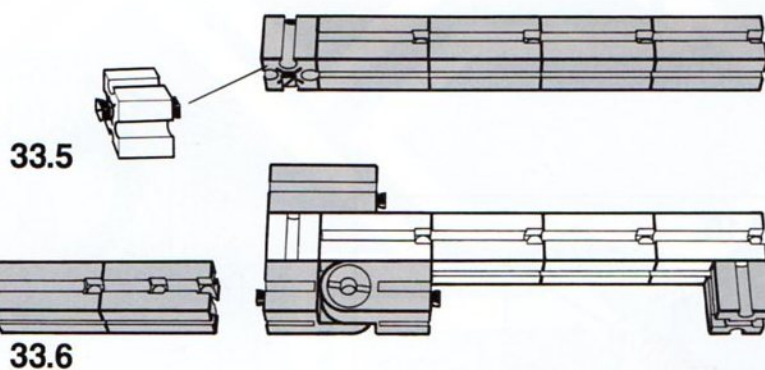
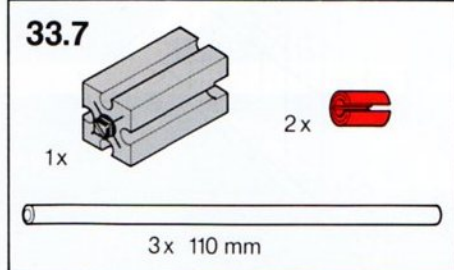
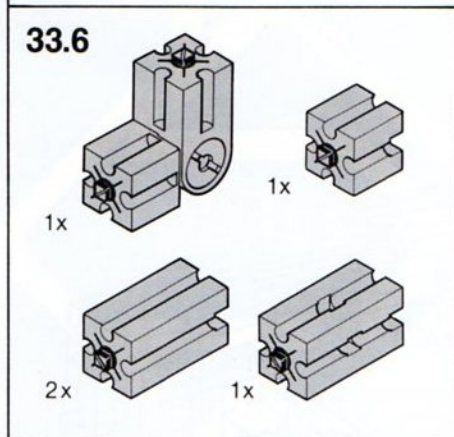
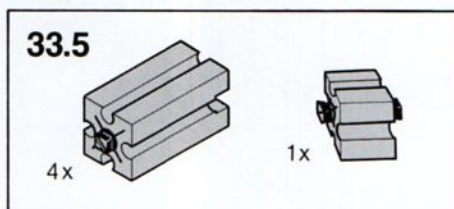
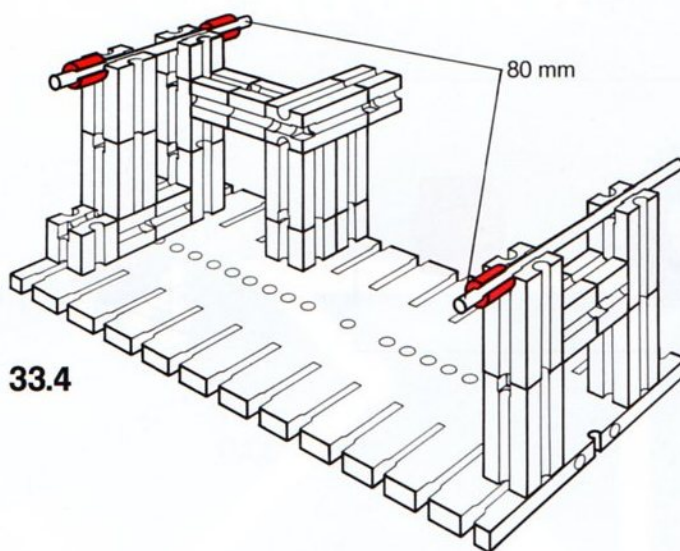
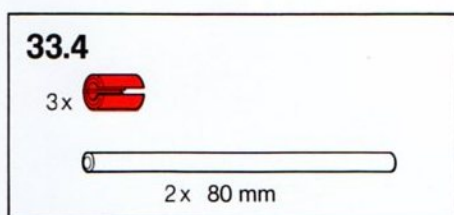
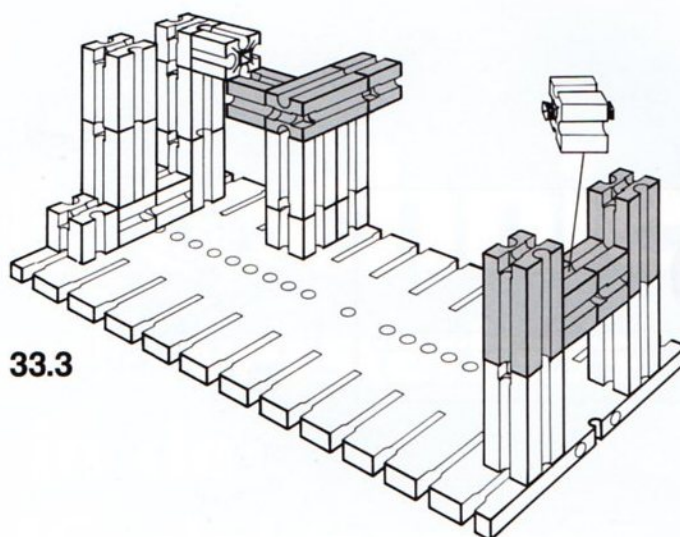
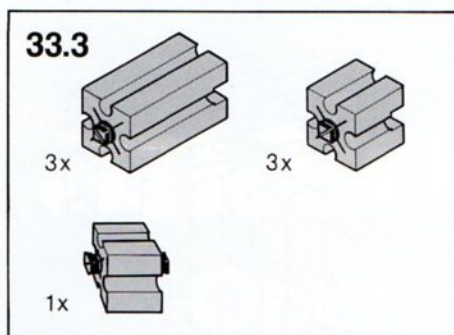


33.1

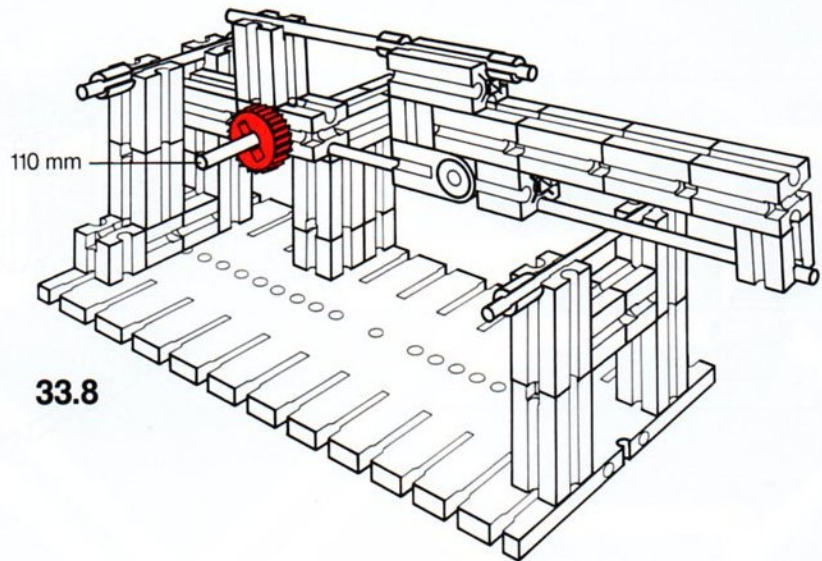
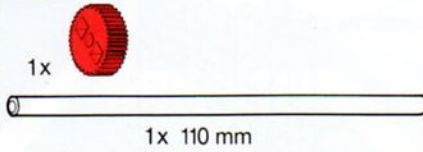


33.2

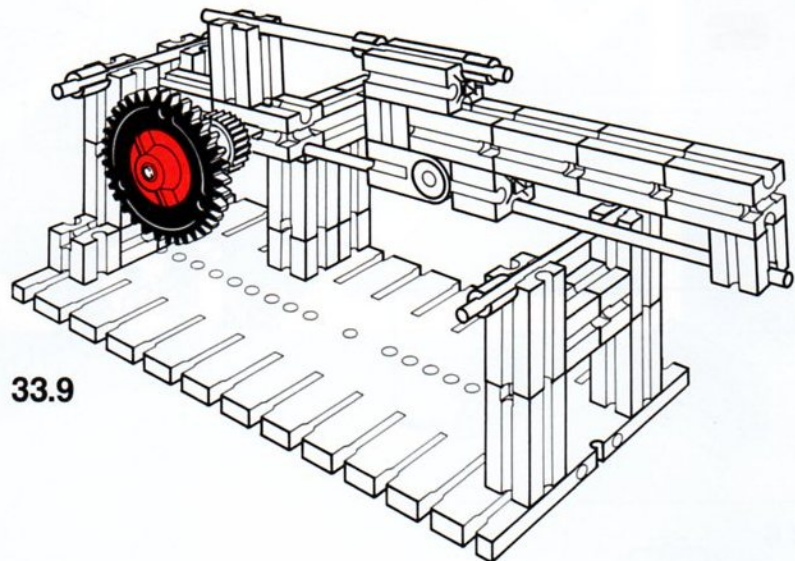
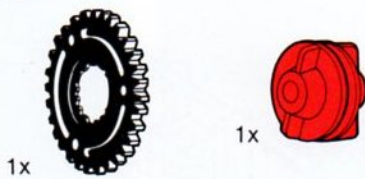




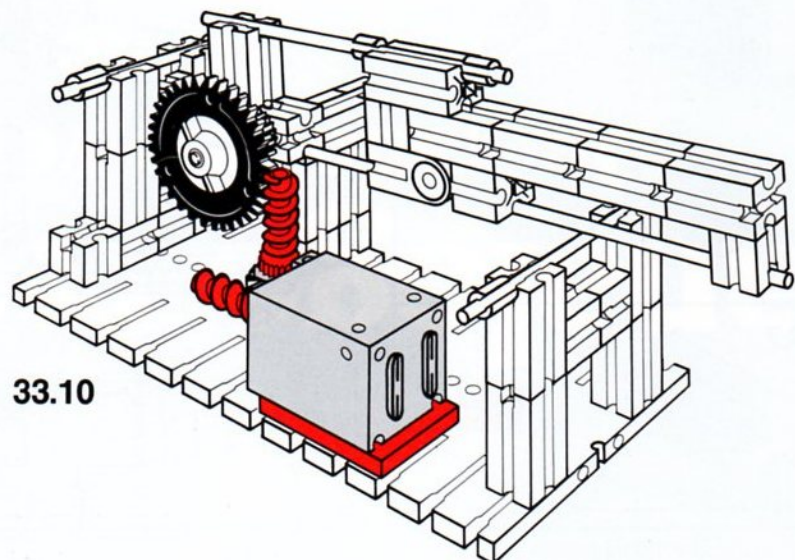
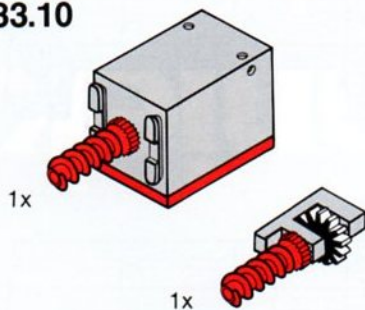
33.8



33.9



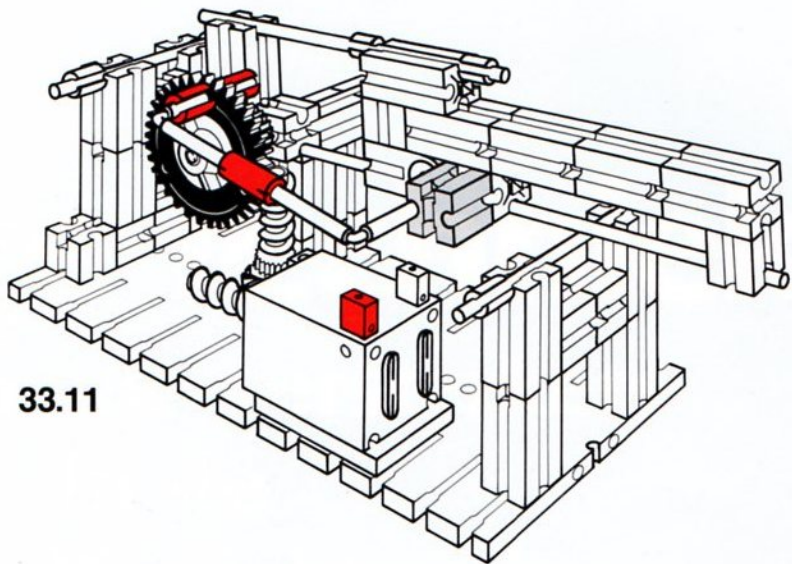
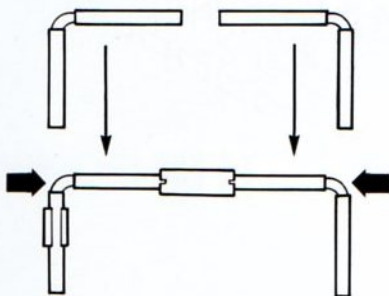
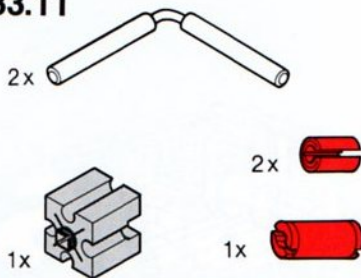
33.10



110 mm

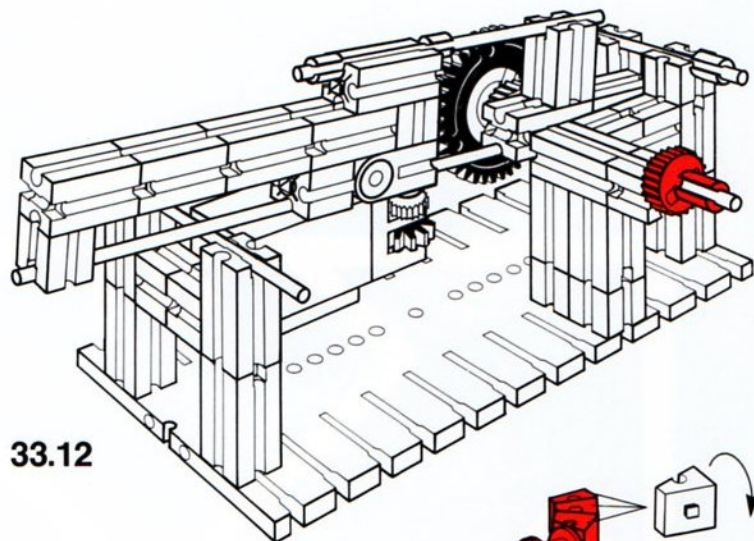


33.11



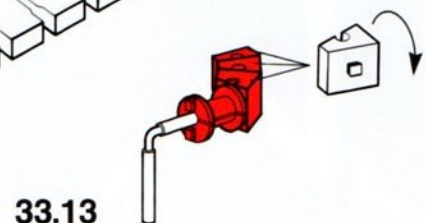
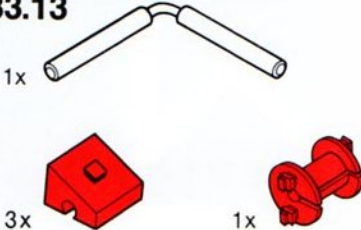
33.11

33.12

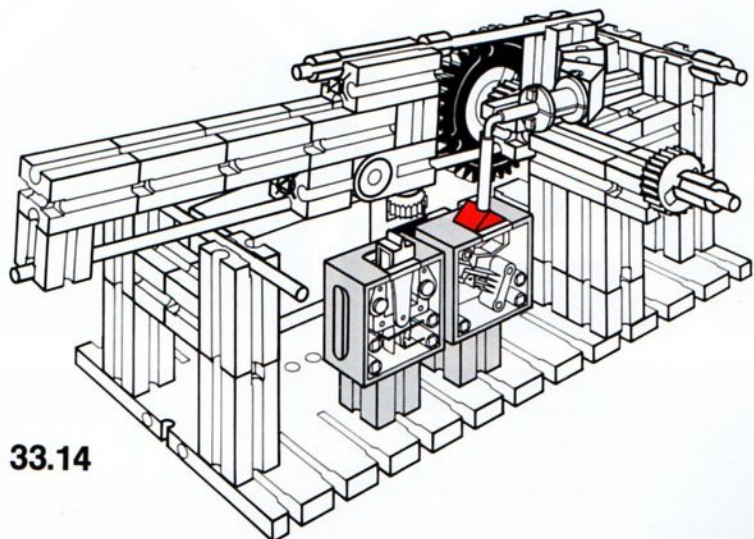


33.12

33.13

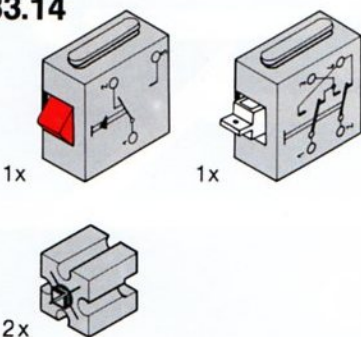


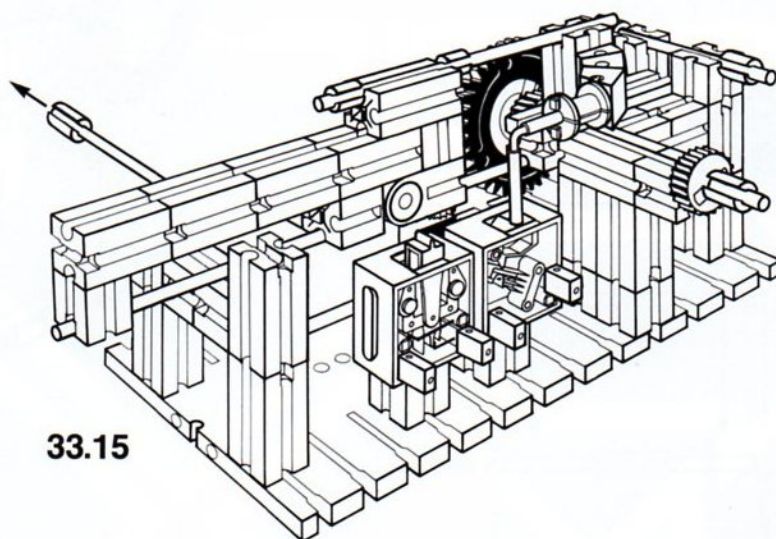
33.13



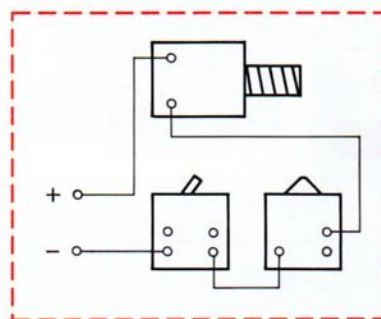
33.14

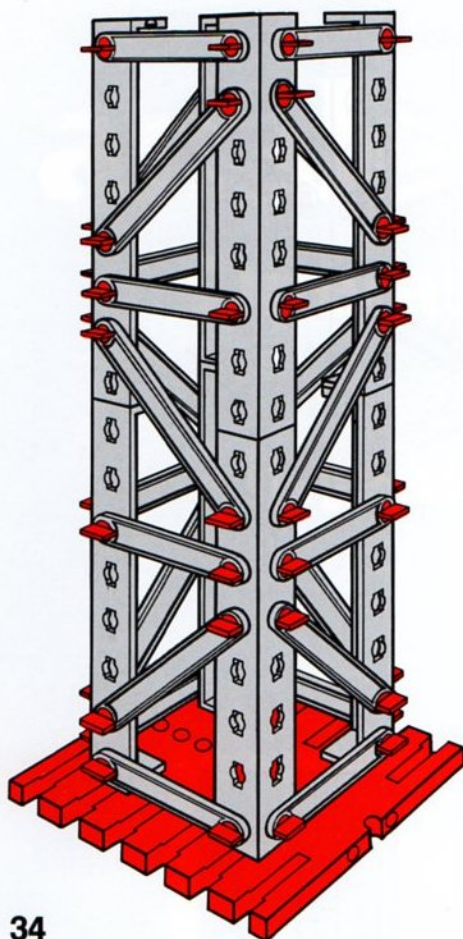
33.14



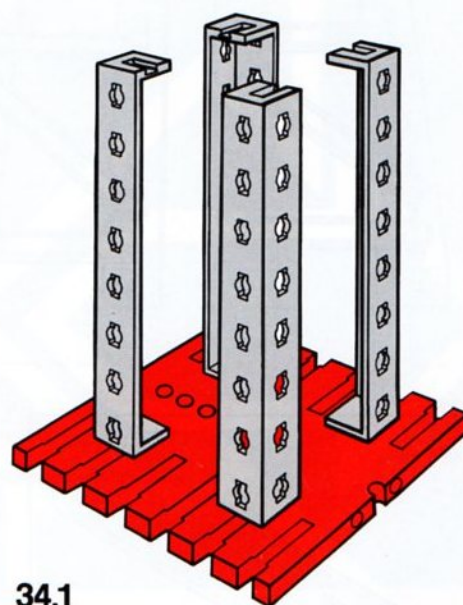
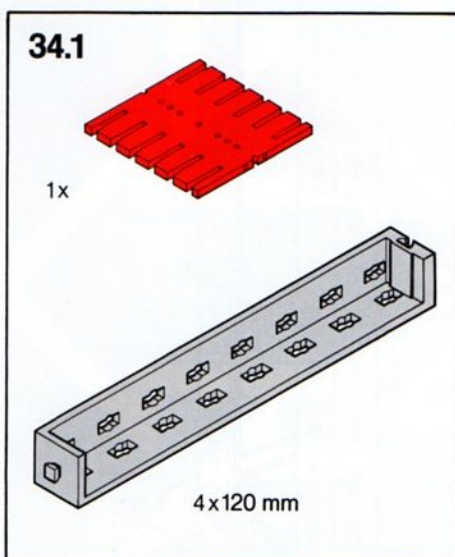


33.15



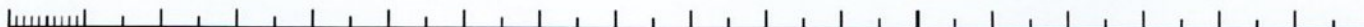


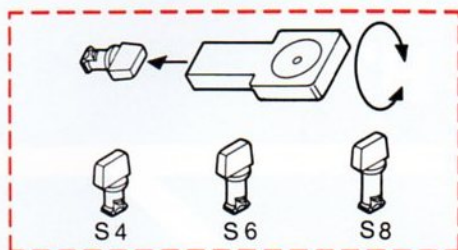
34



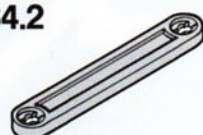
34.1

120 mm





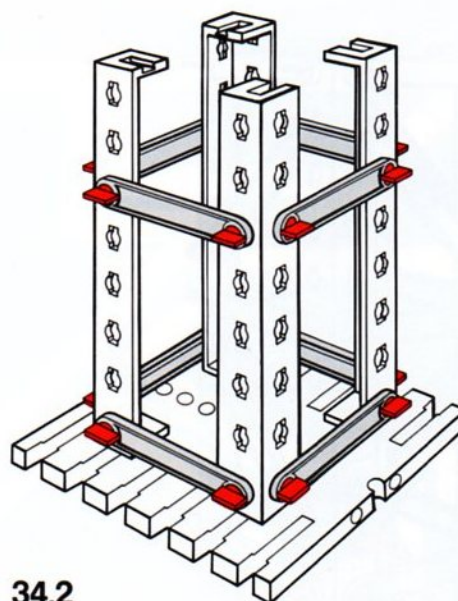
34.2



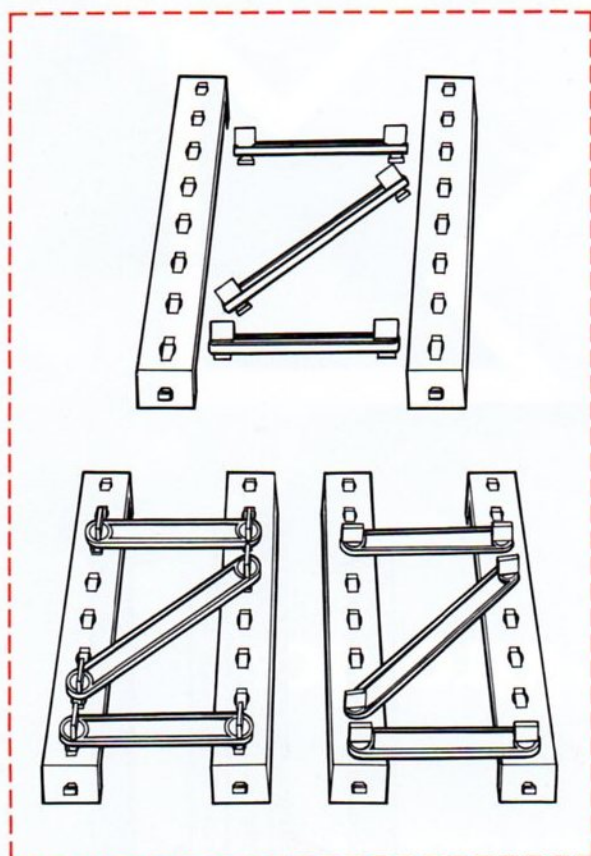
8 x 45



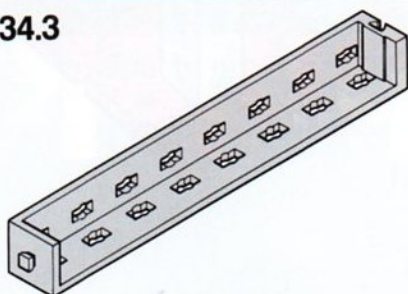
16 x S 4



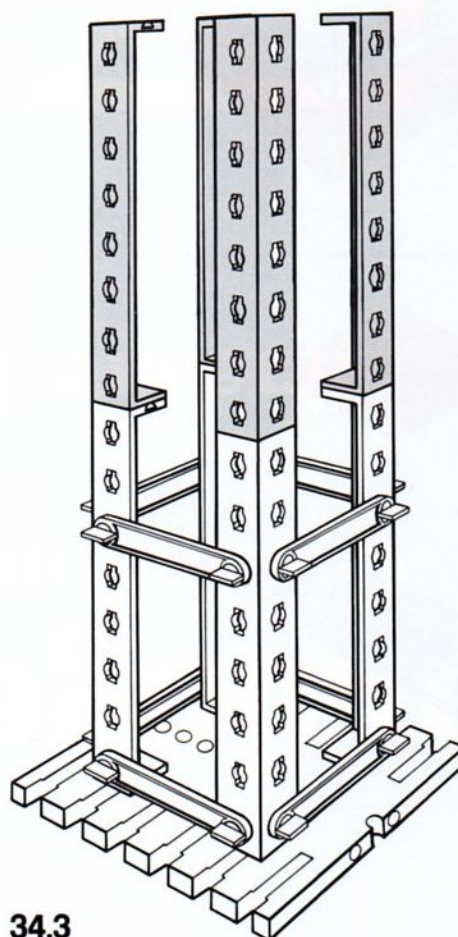
34.2



34.3

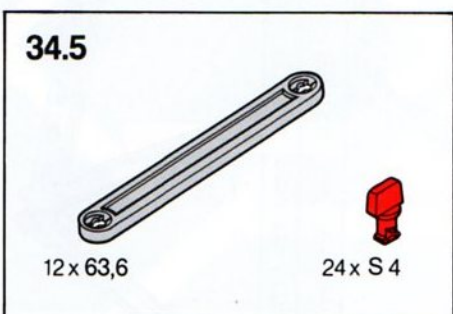
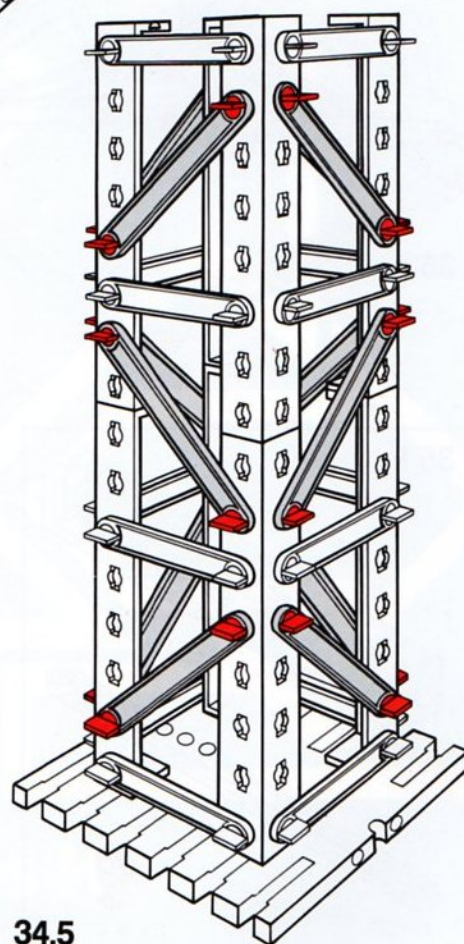
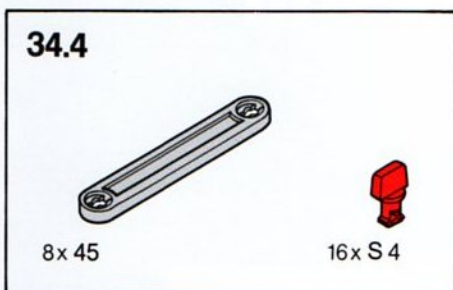
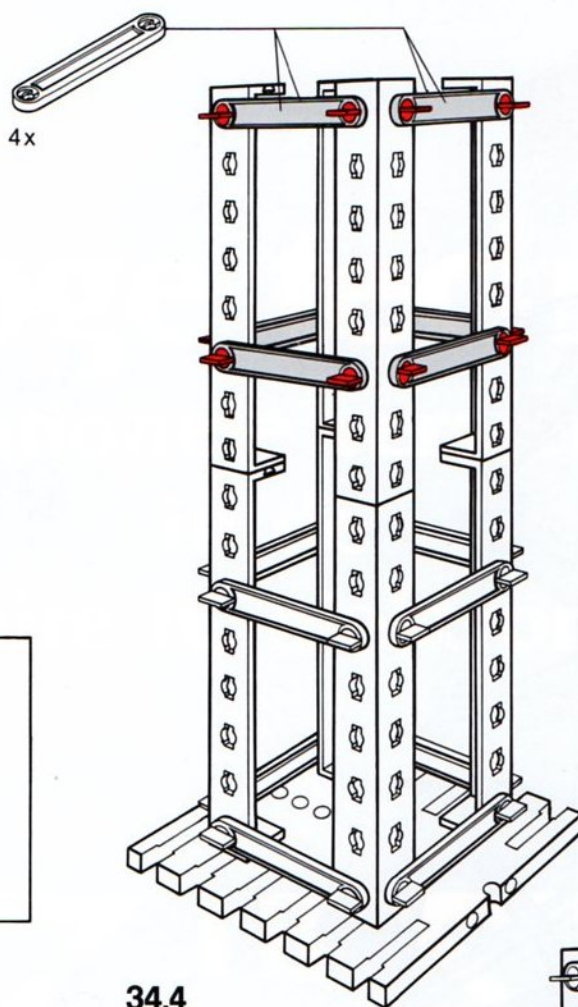


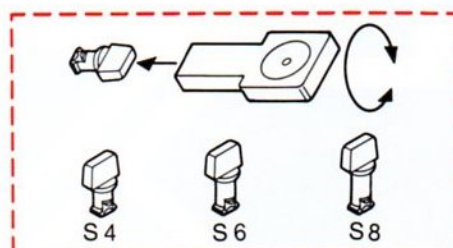
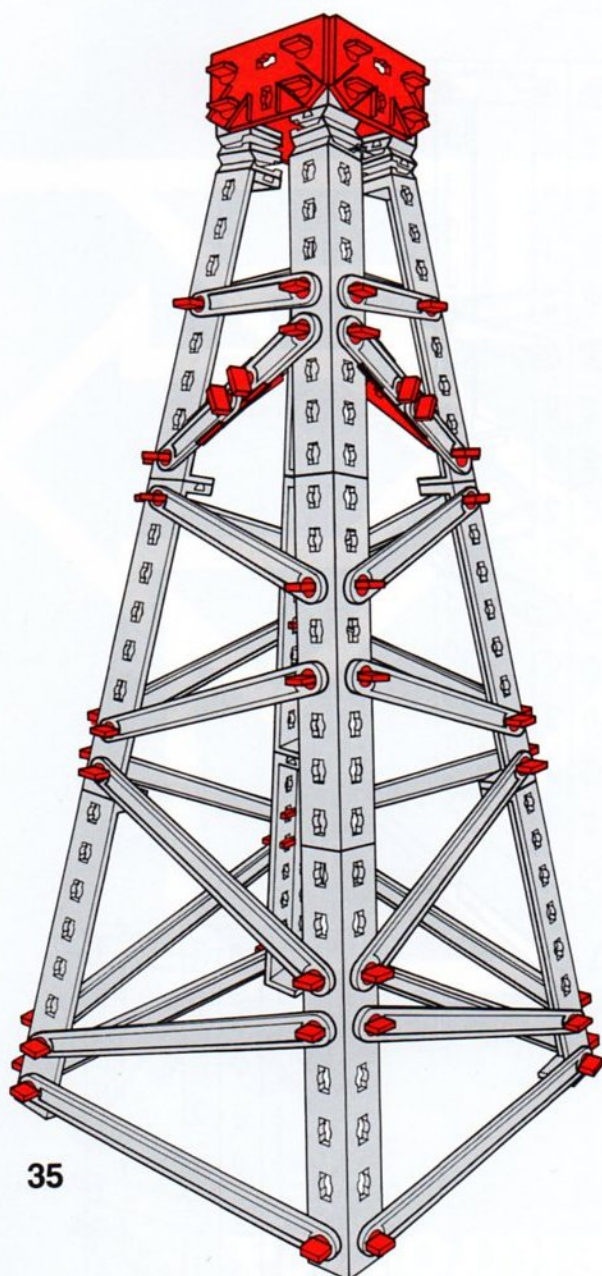
4 x 120 mm



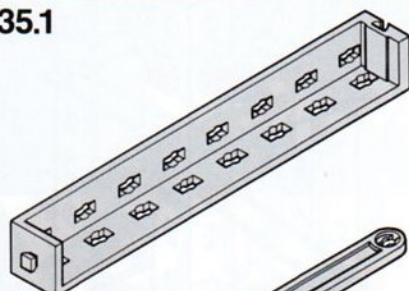
34.3

120 mm

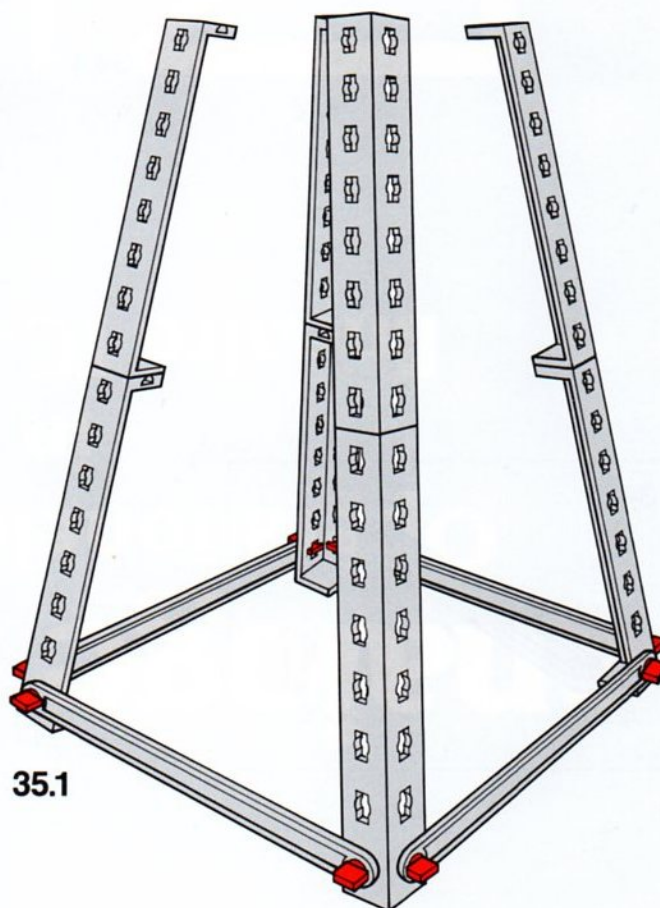




35.1

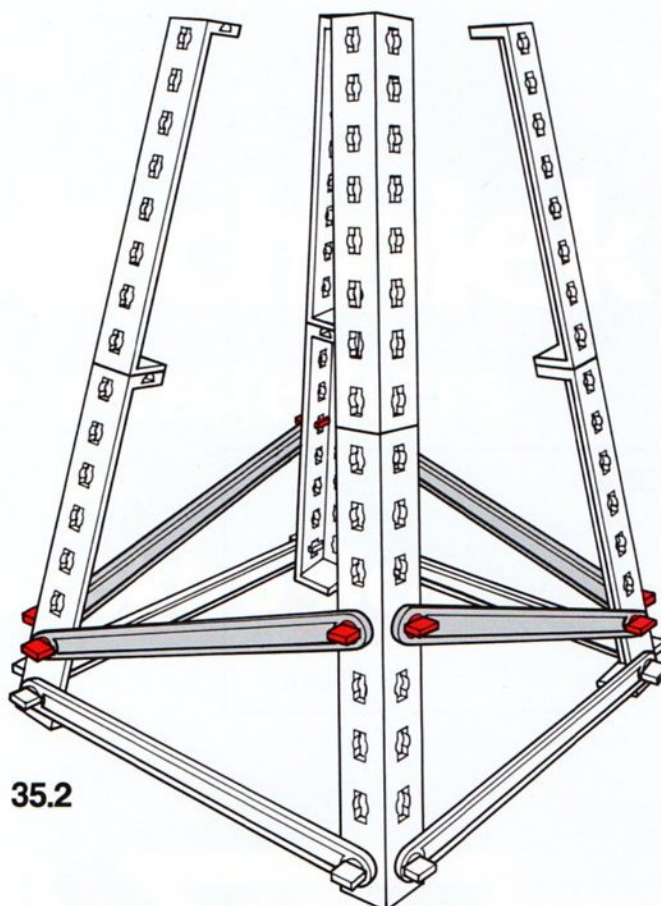
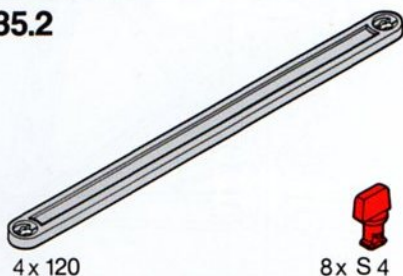


4 x 120

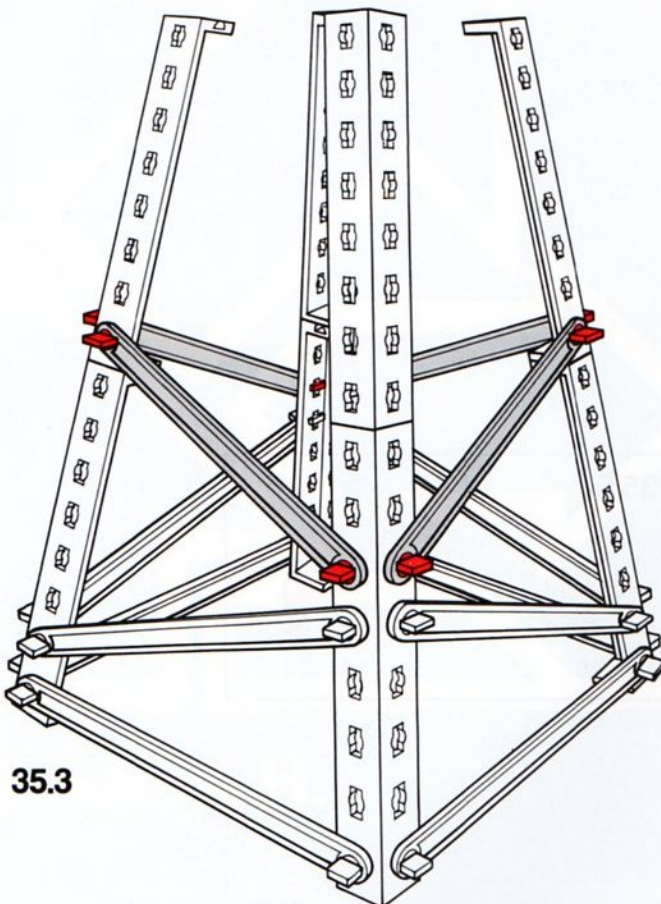
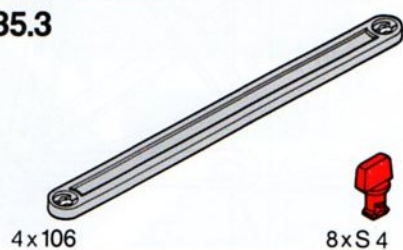


120 mm

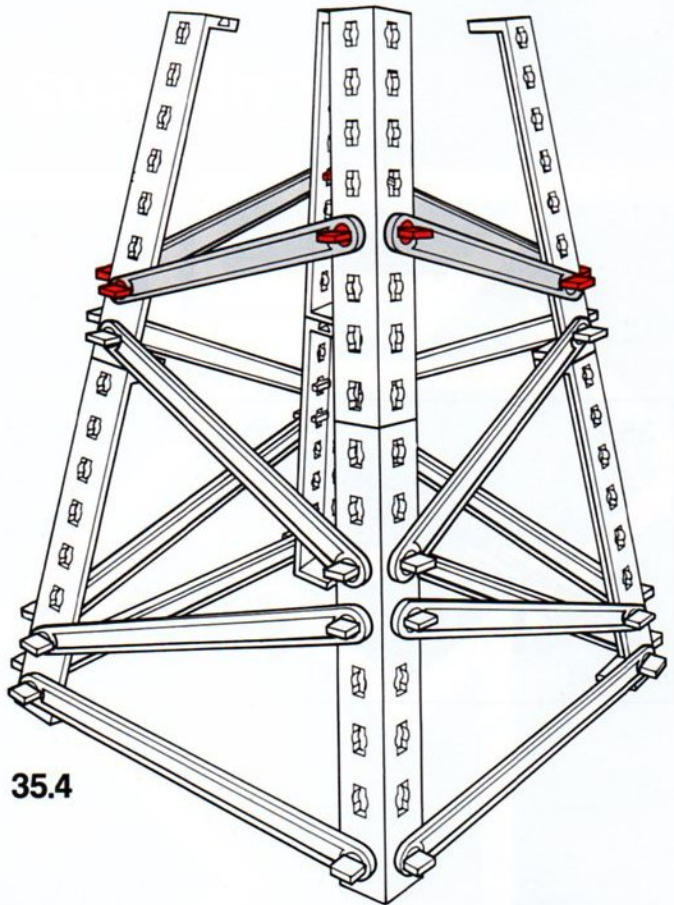
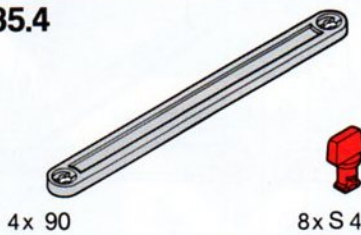
35.2



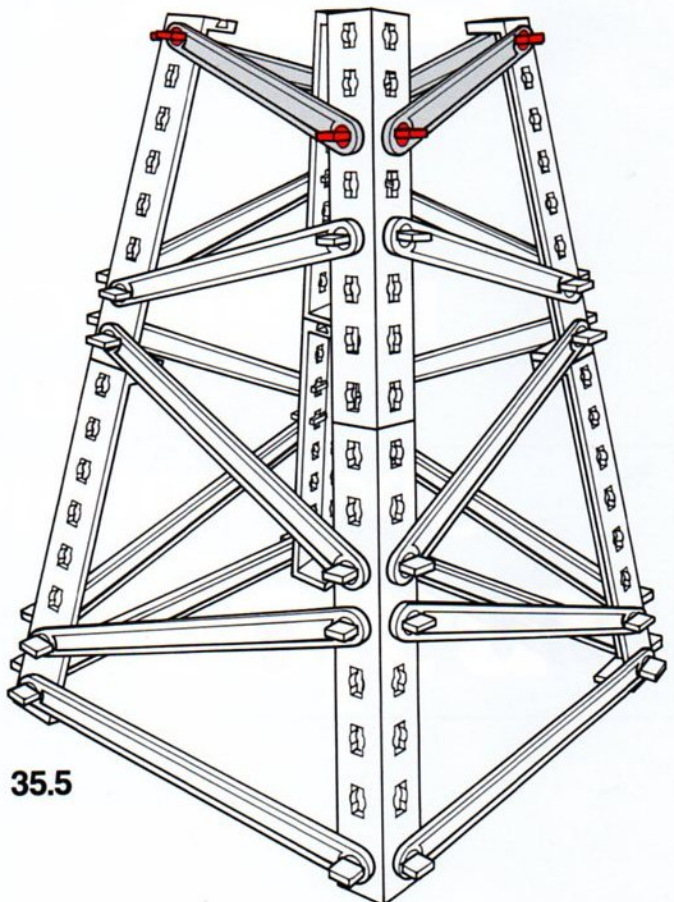
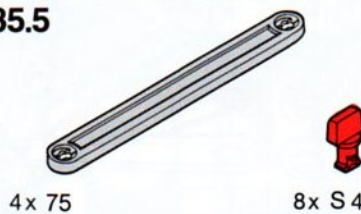
35.3

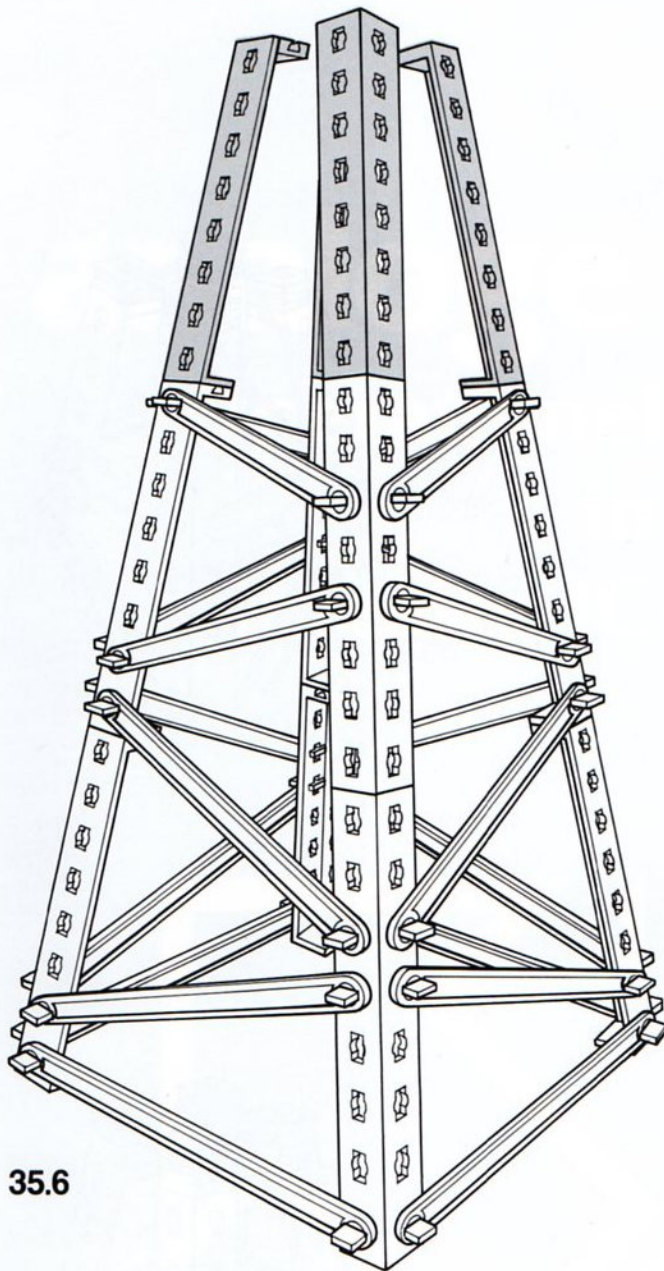


35.4

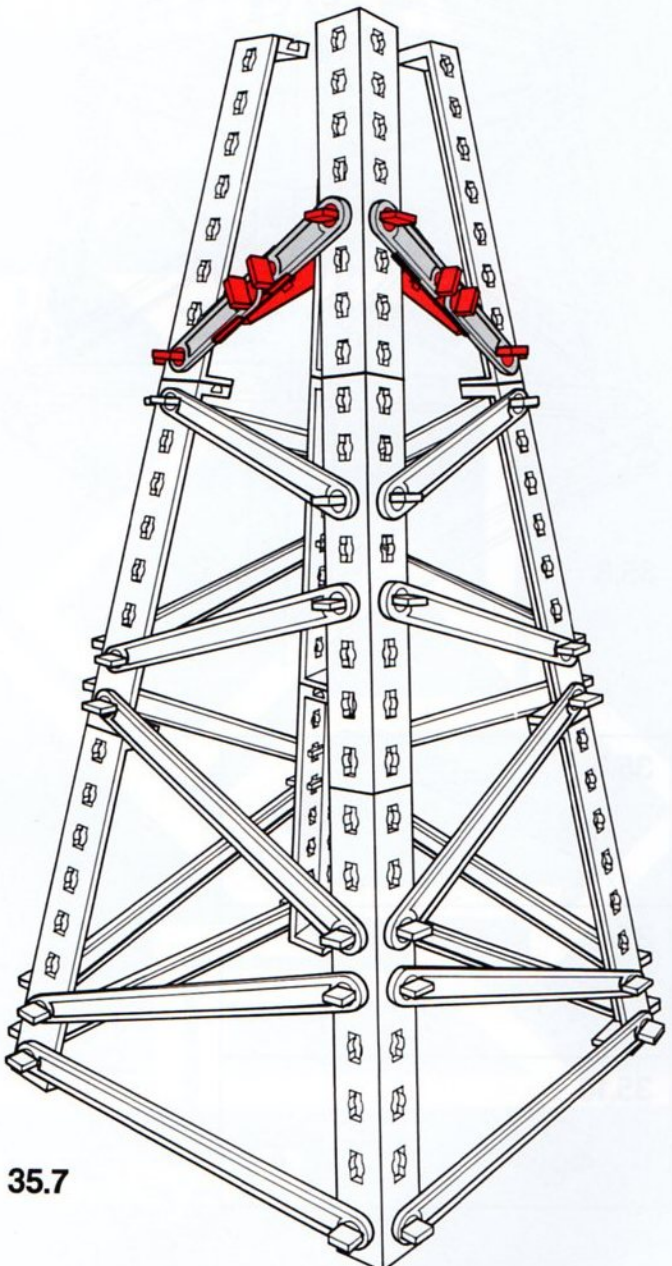
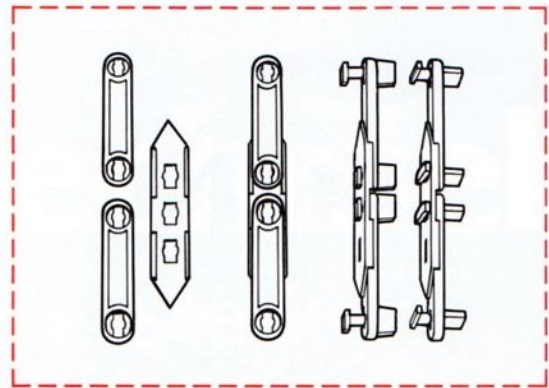


35.5





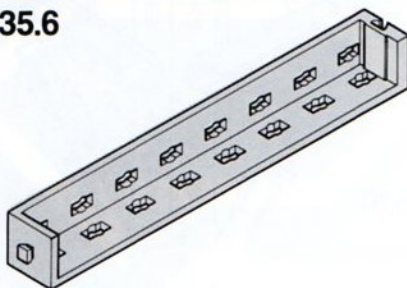
35.6



35.7

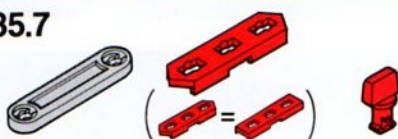
120 mm

35.6



4 x 120 mm

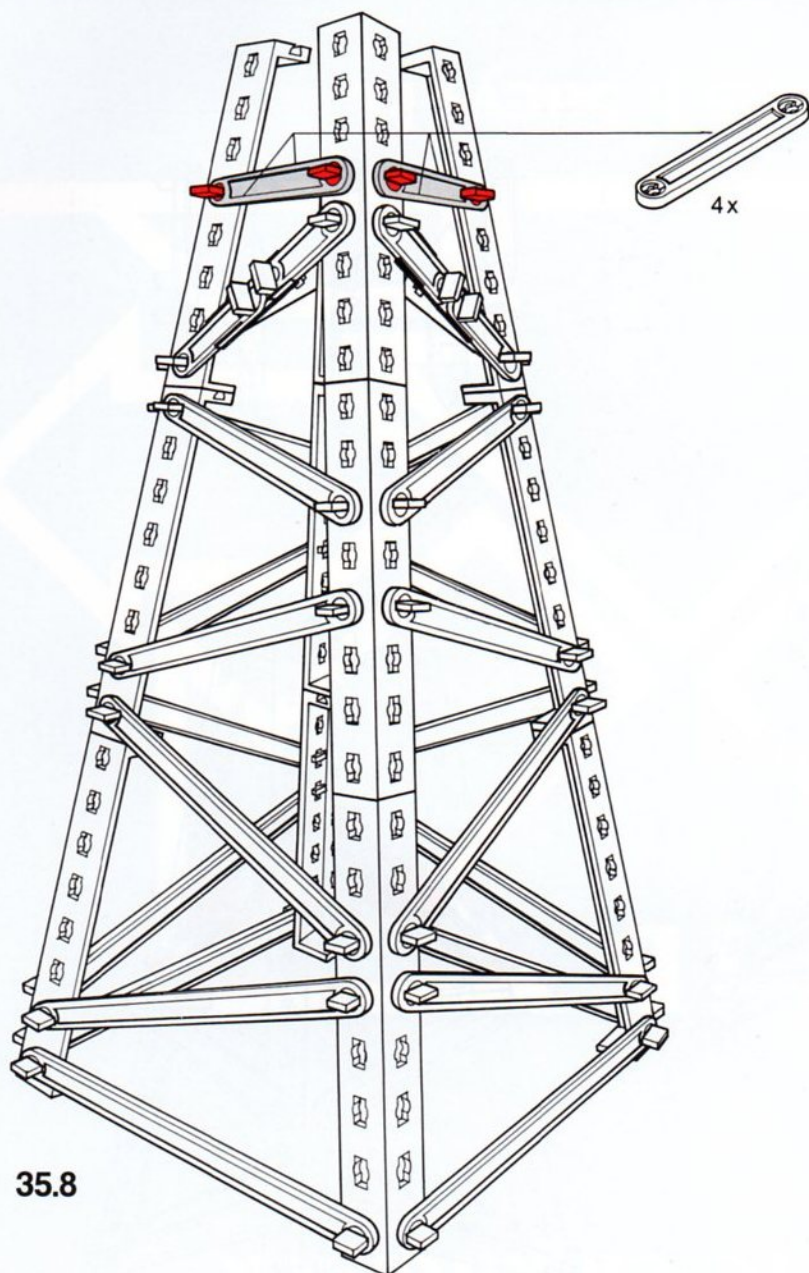
35.7



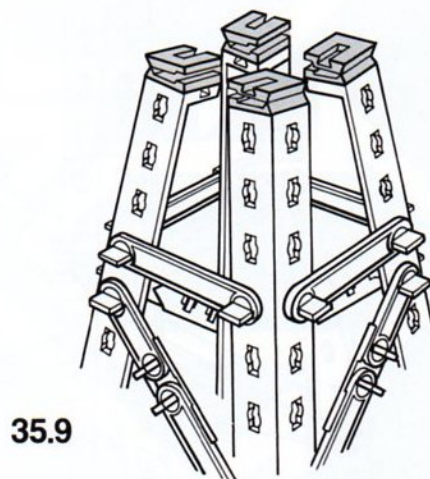
8 x 30

4 x

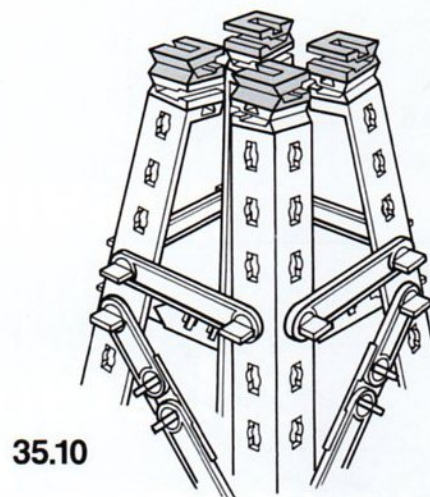
16 x S 4



35.8

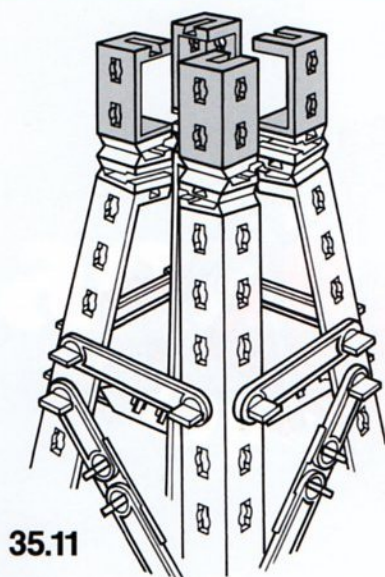


35.9

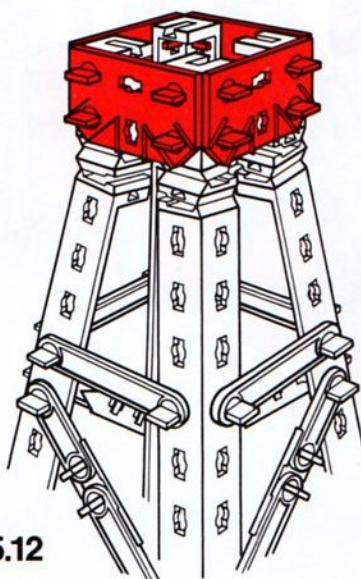


35.10

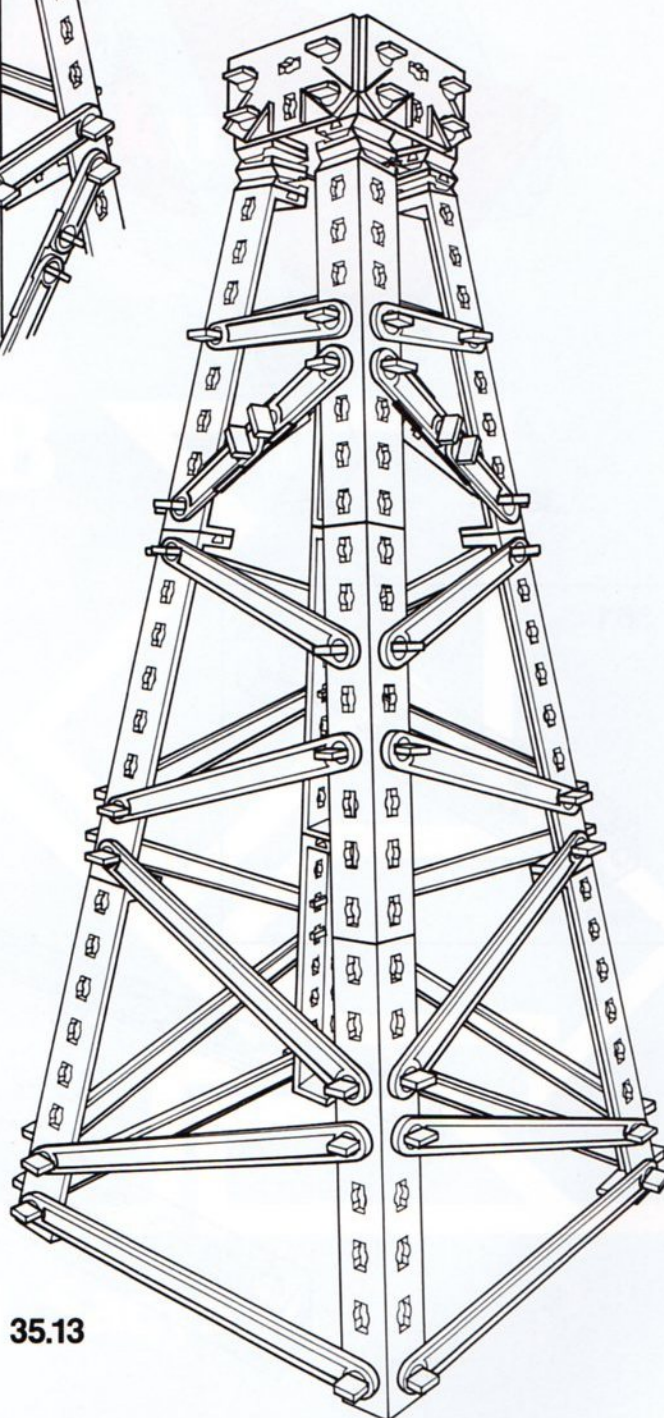
35.8  4 x 45  8 x S 4
35.9  4 x
35.10  4 x



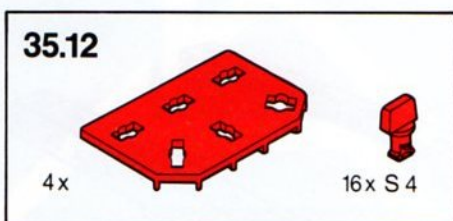
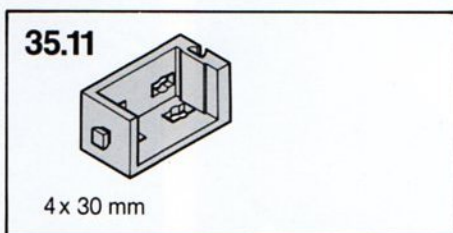
35.11



35.12

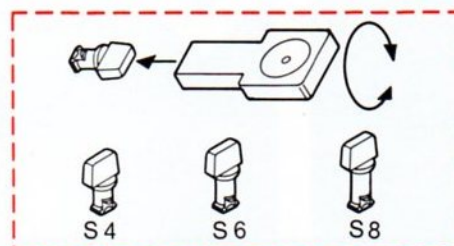
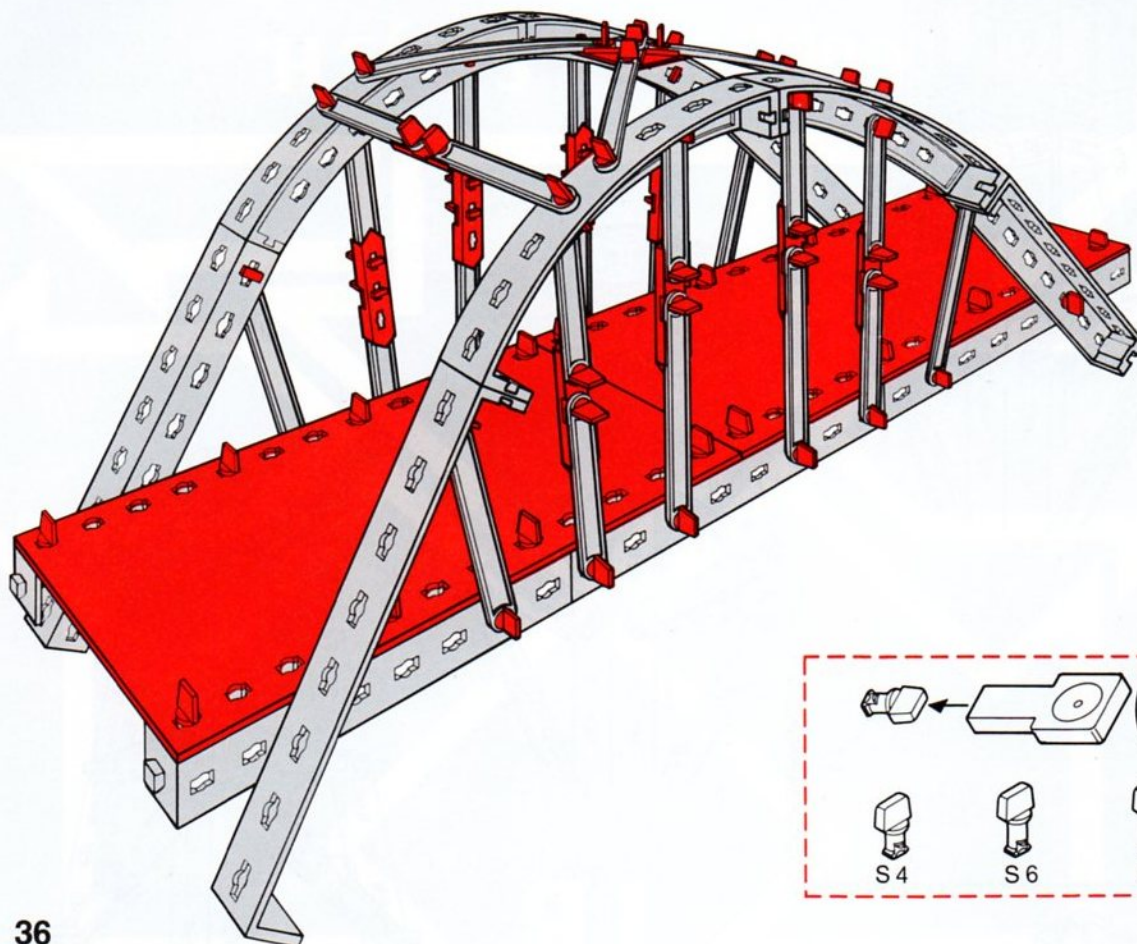


35.13

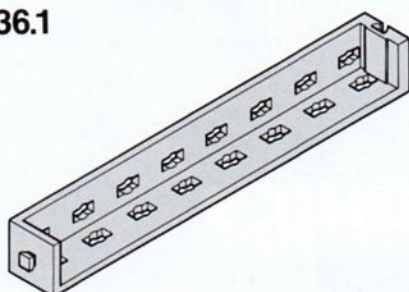


30 mm

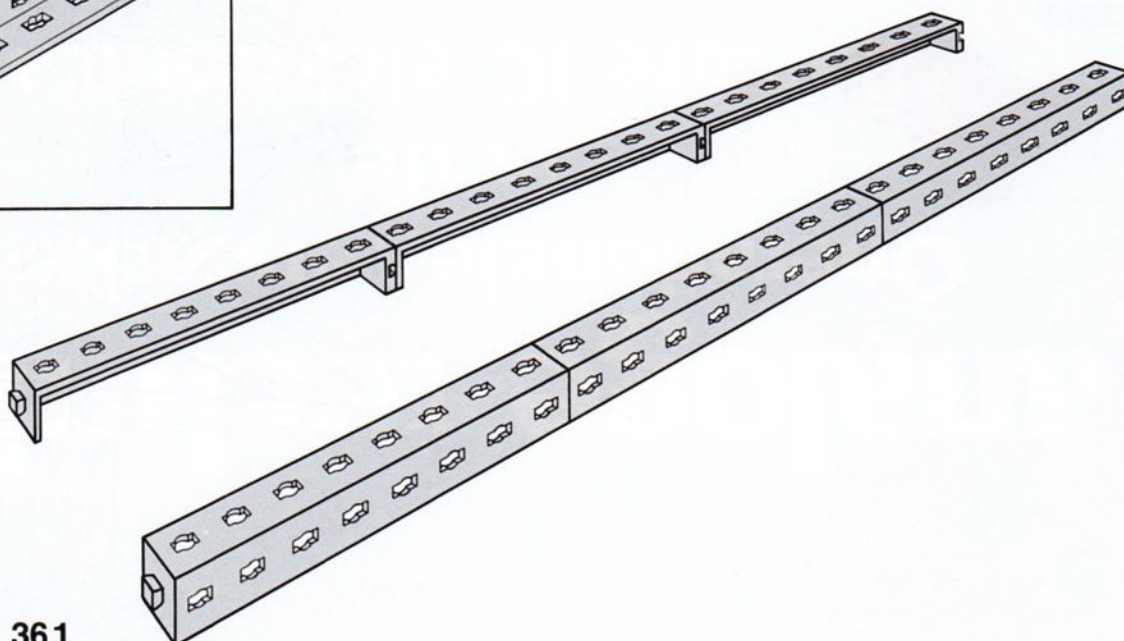




36.1

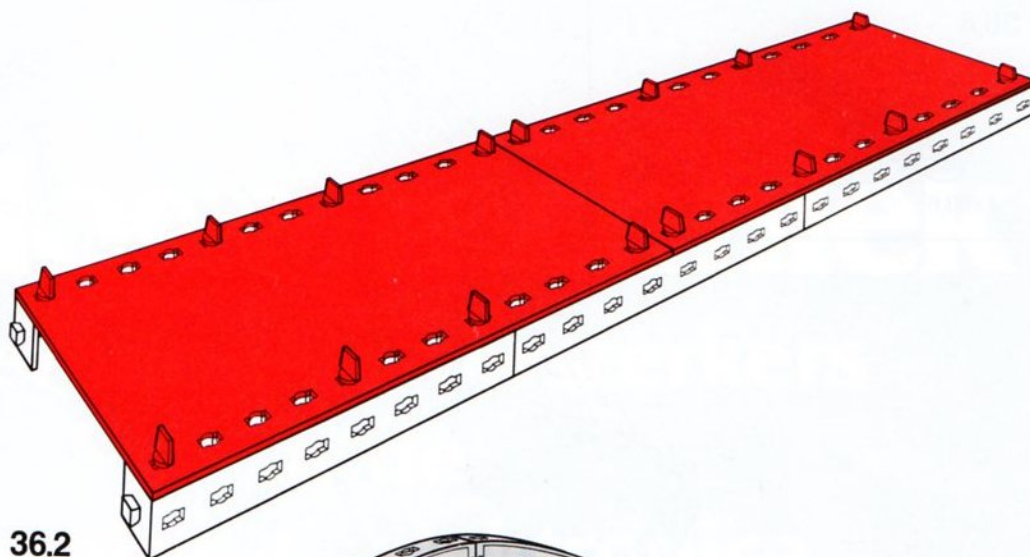


6x120 mm

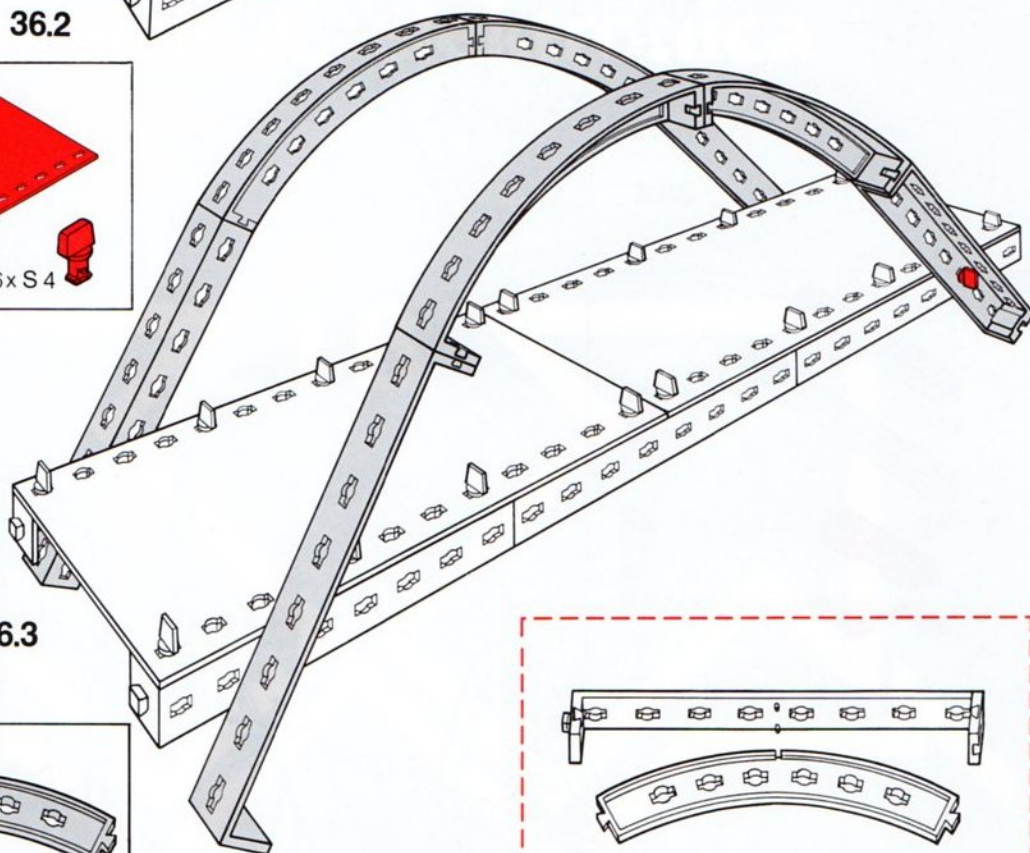
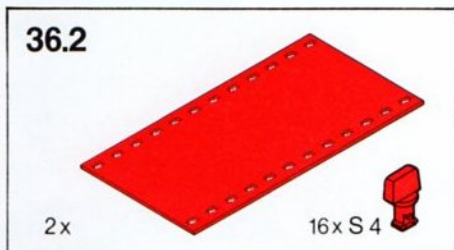


36.1

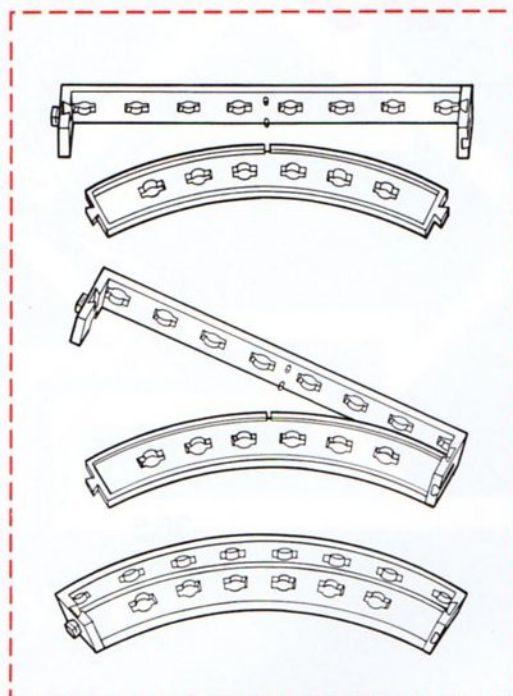
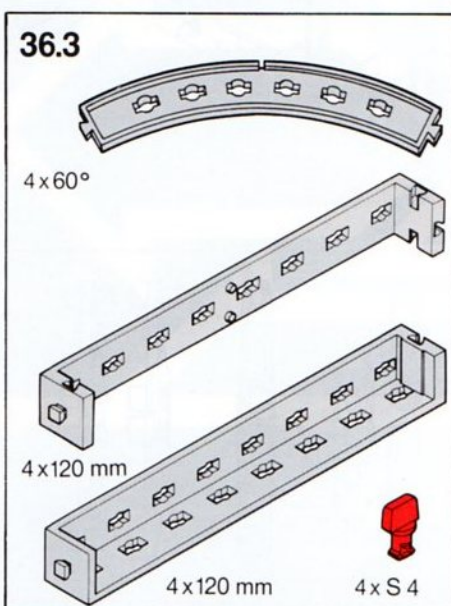
120 mm



36.2



36.3



120 mm



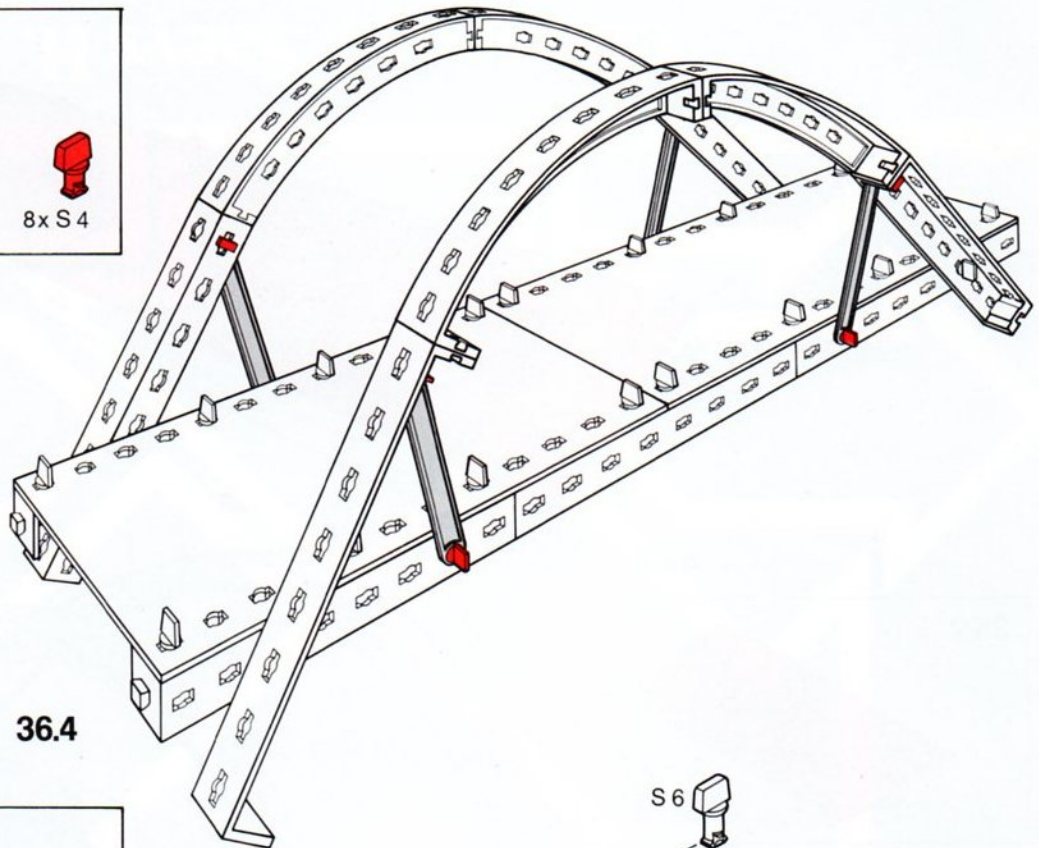
36.4



4x63,6



8x S 4



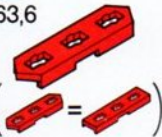
36.4

36.5



4x42,4

4x 63,6



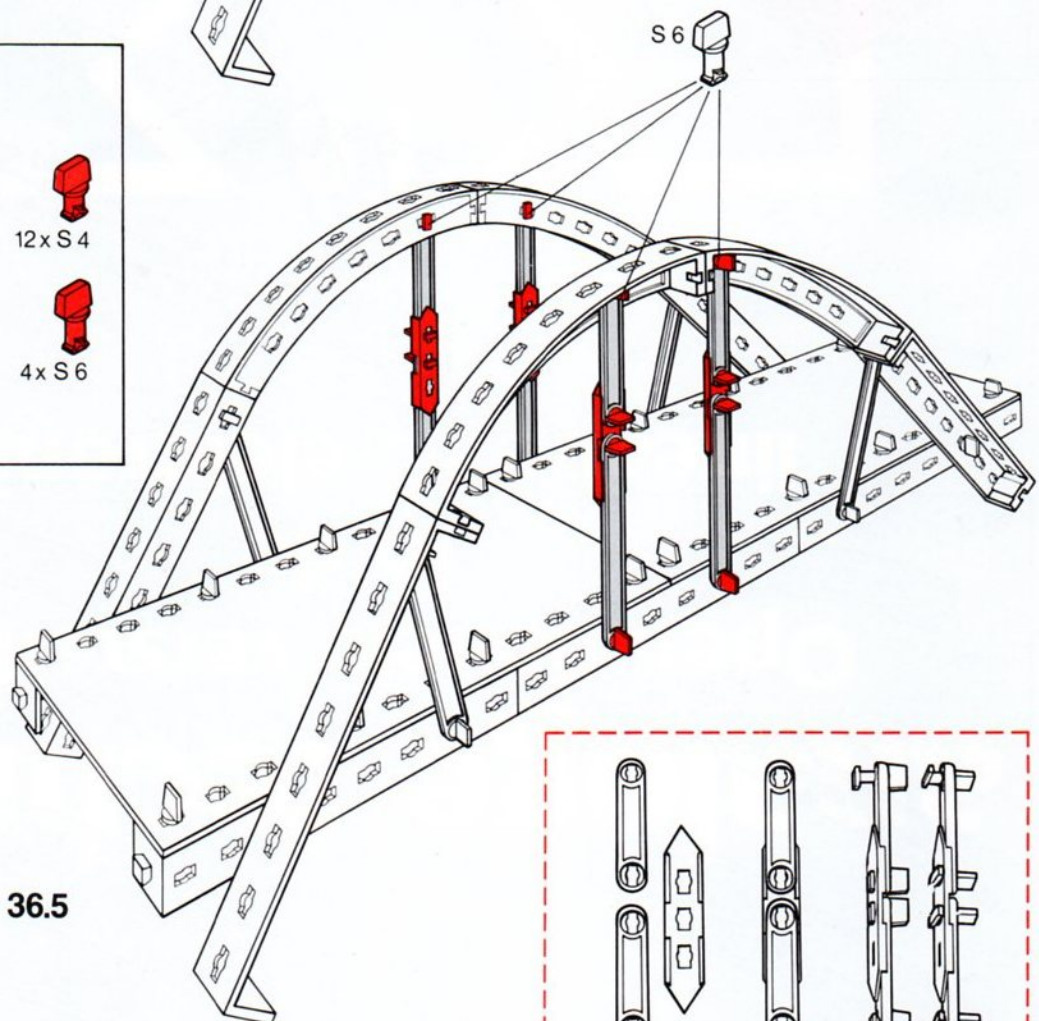
4x



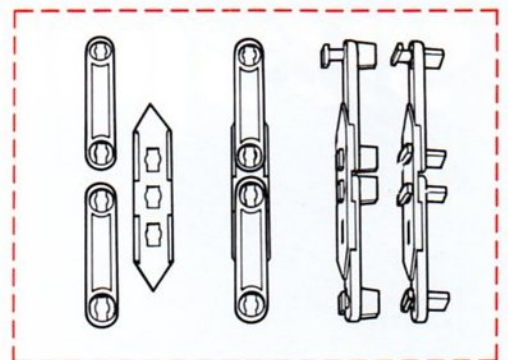
12x S 4

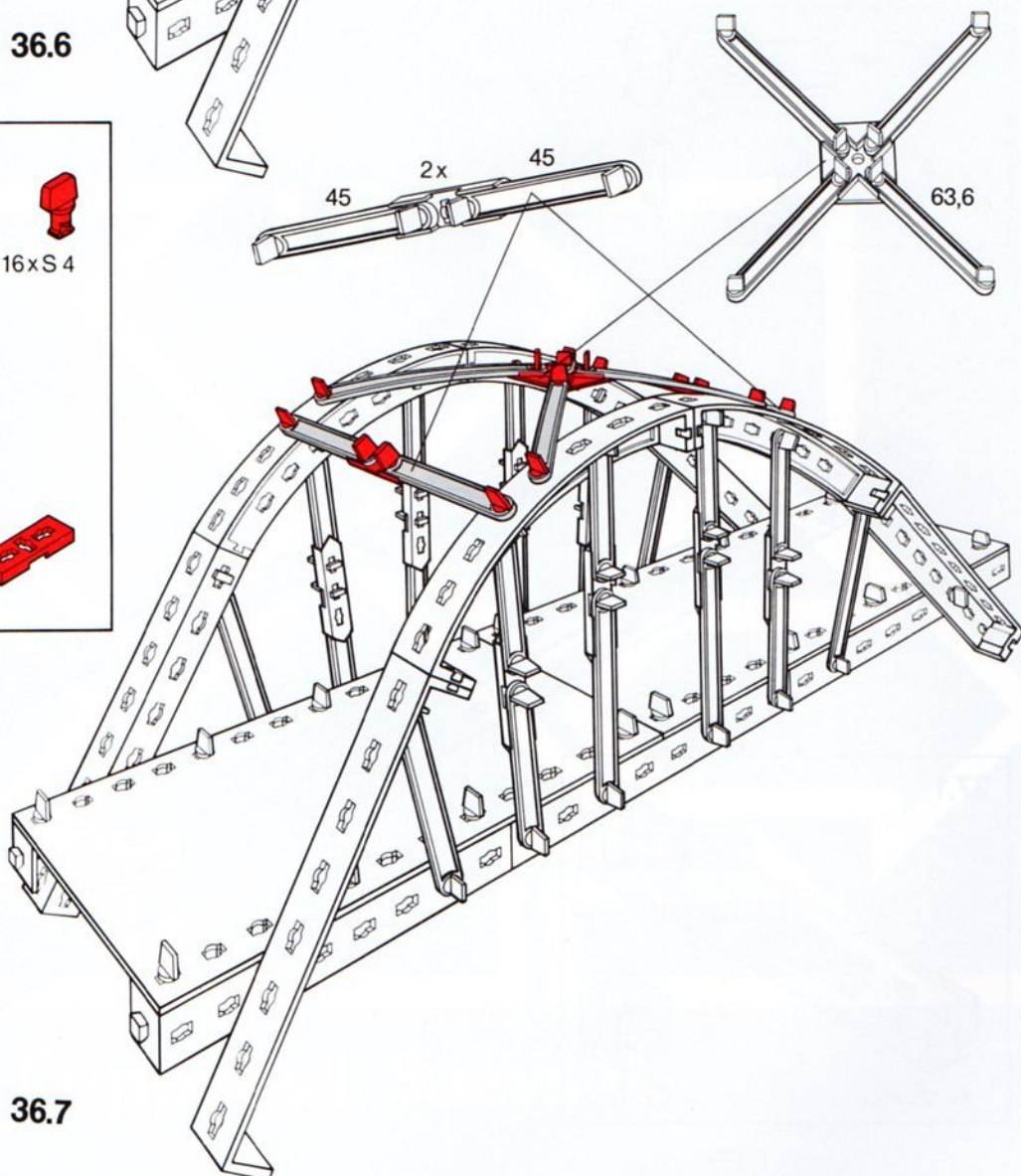
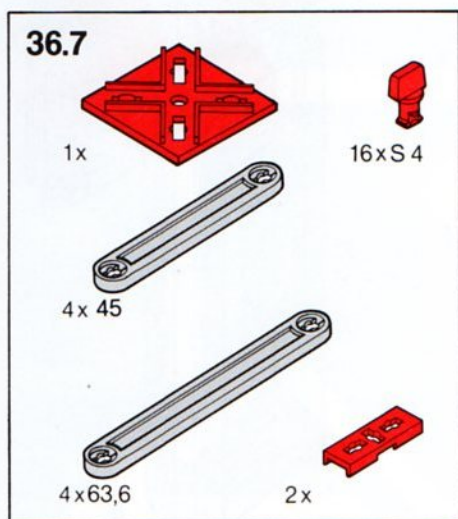
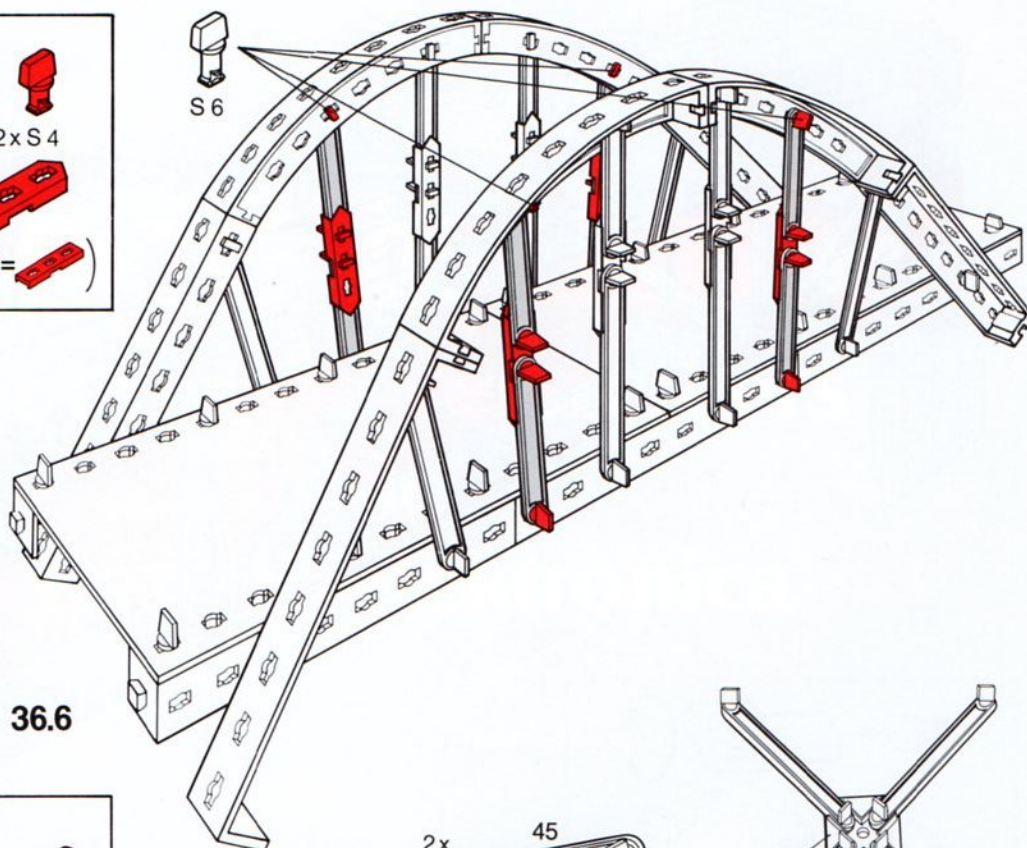
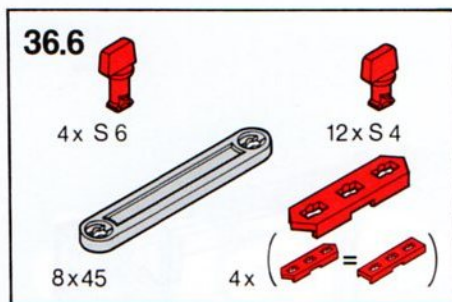


4x S 6



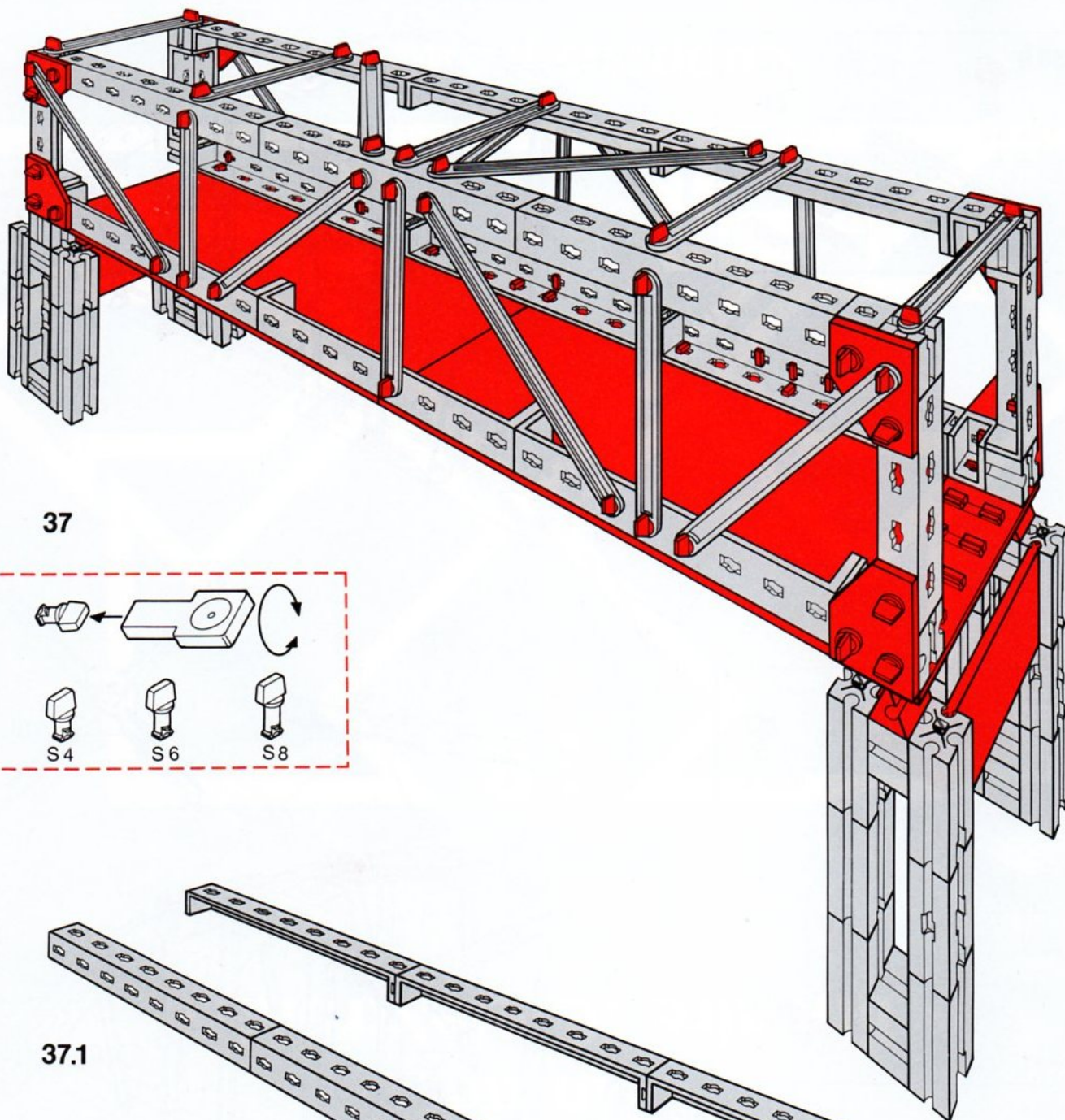
36.5



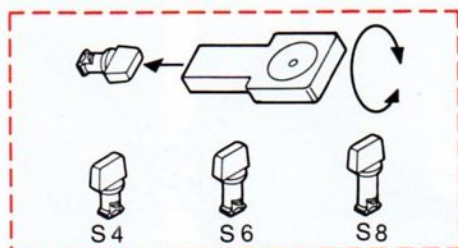


45 mm

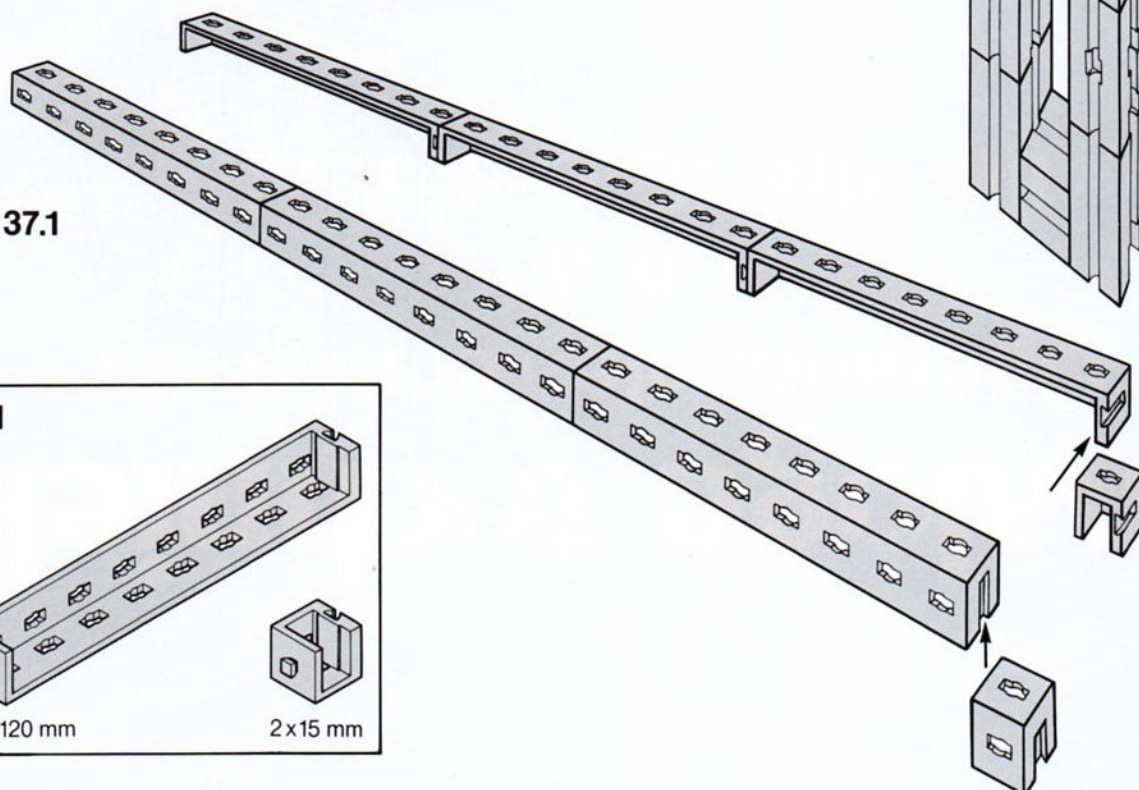




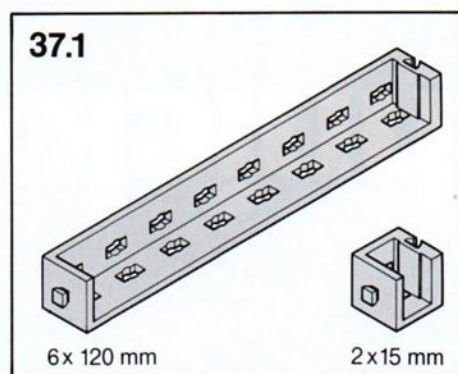
37



37.1

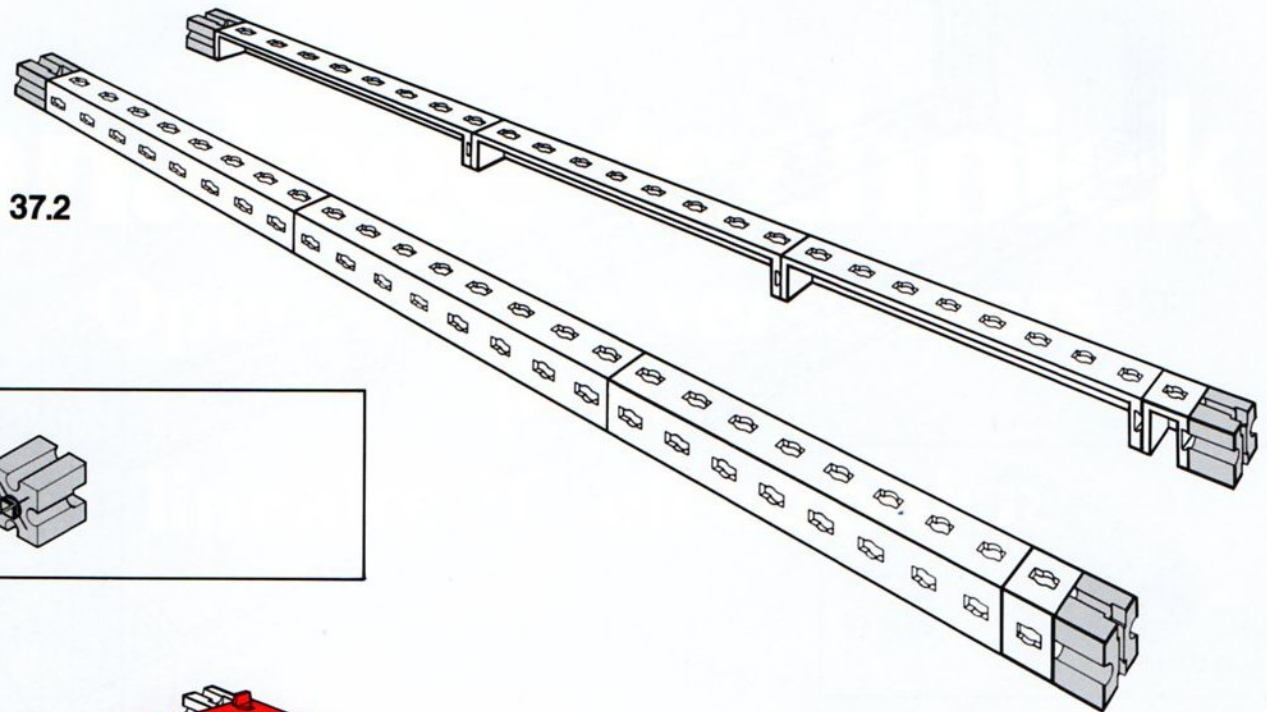


37.1

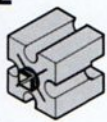


15 mm

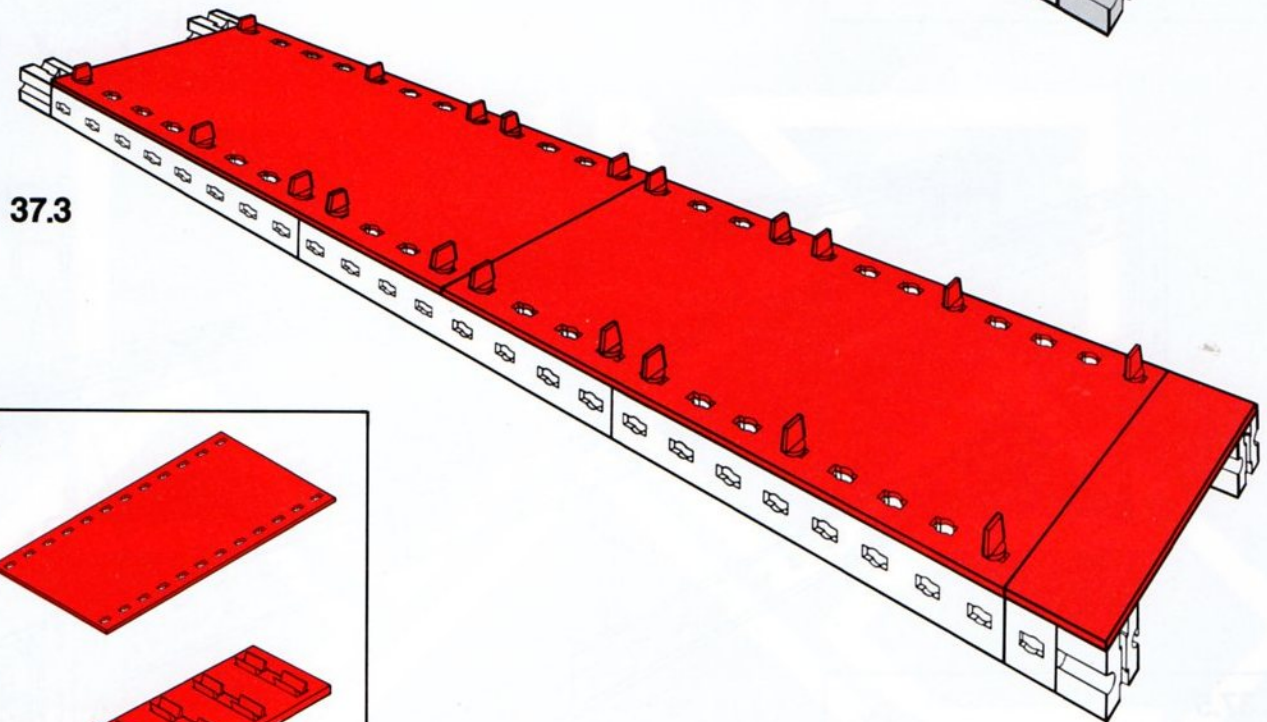
120 mm



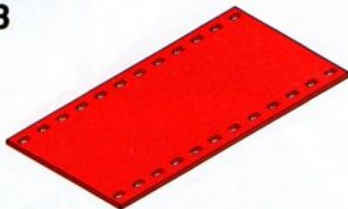
37.2



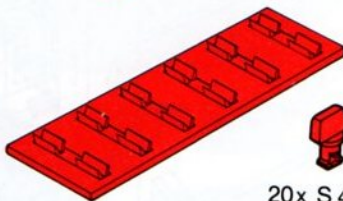
4x



37.3



2x



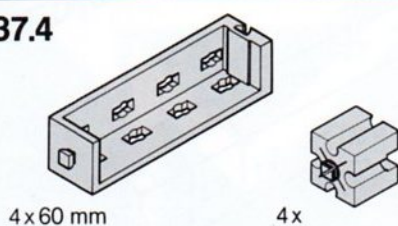
1x

20x S 4



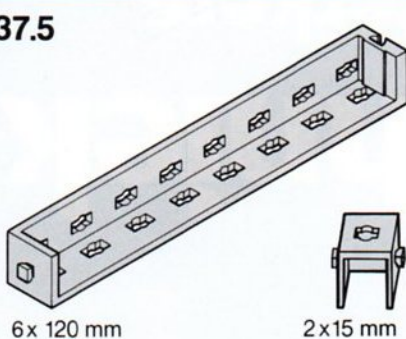
37.4

37.4



37.5

37.5

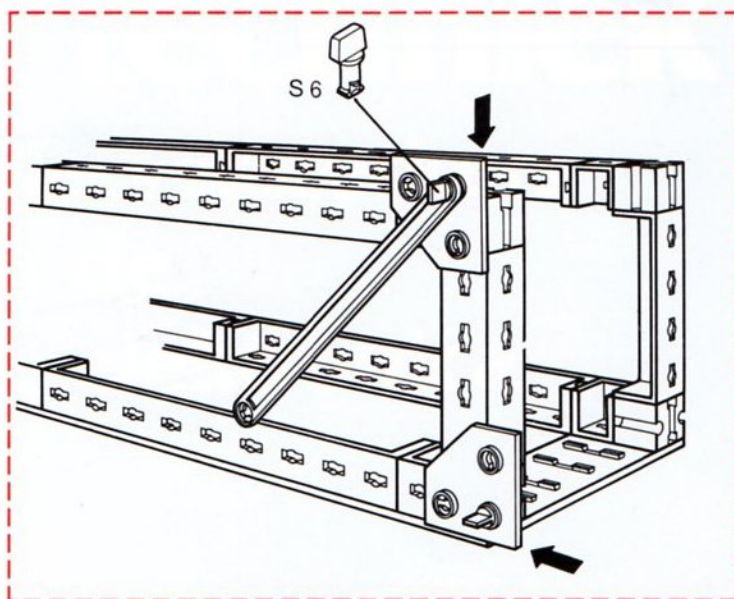
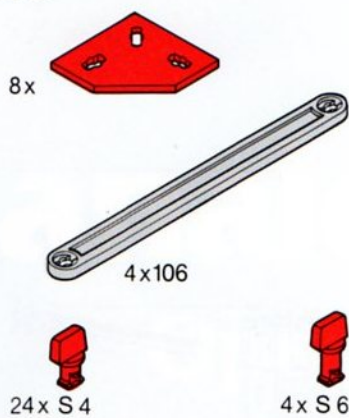


15 mm

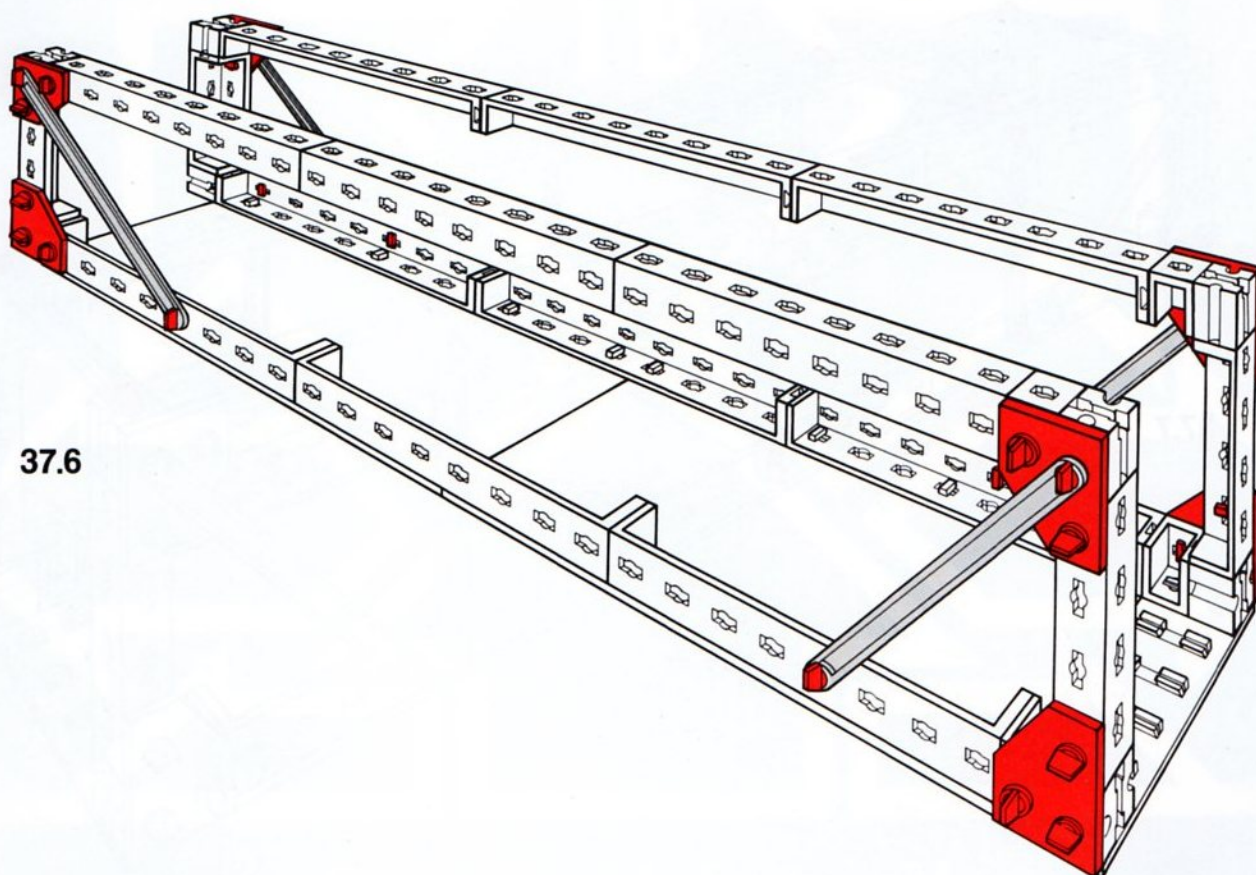
60 mm

120 mm

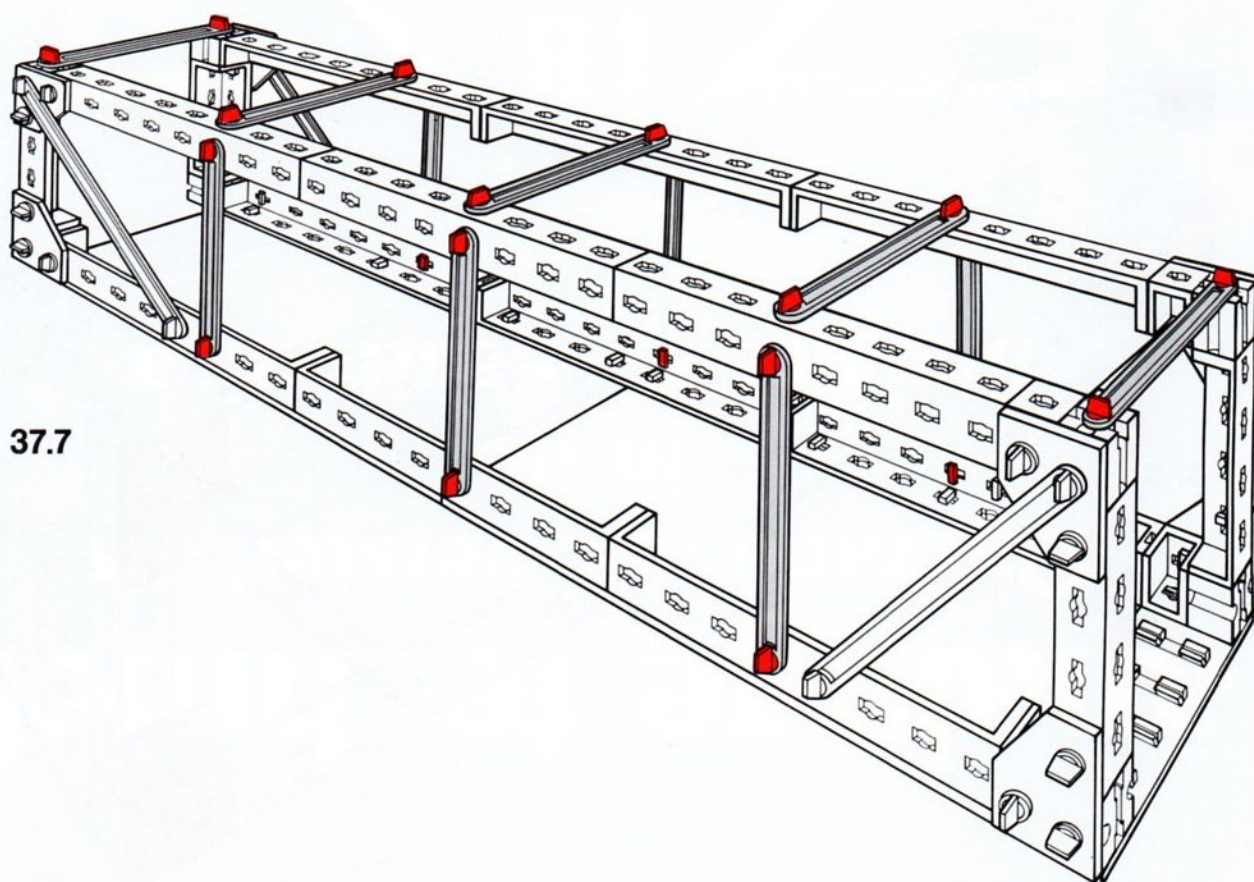
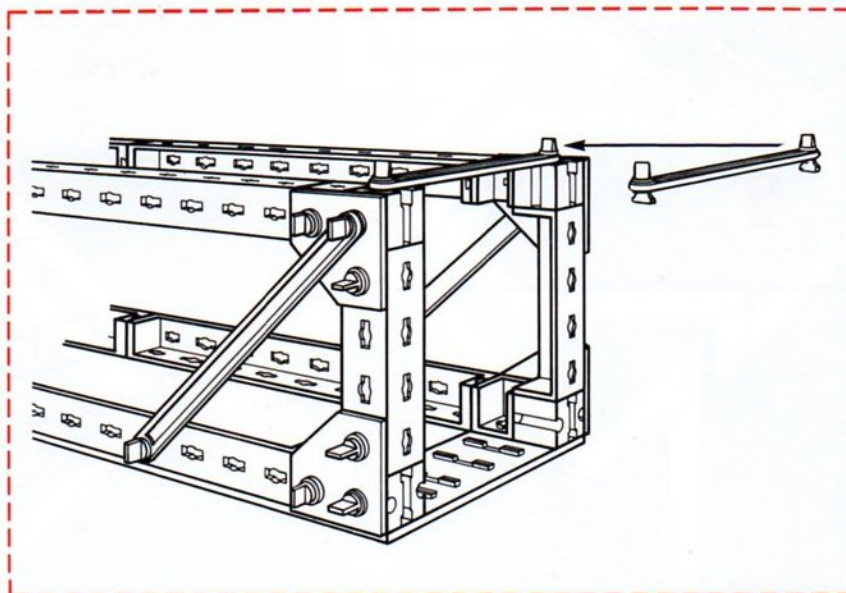
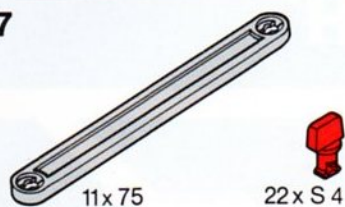
37.6



37.6



37.7



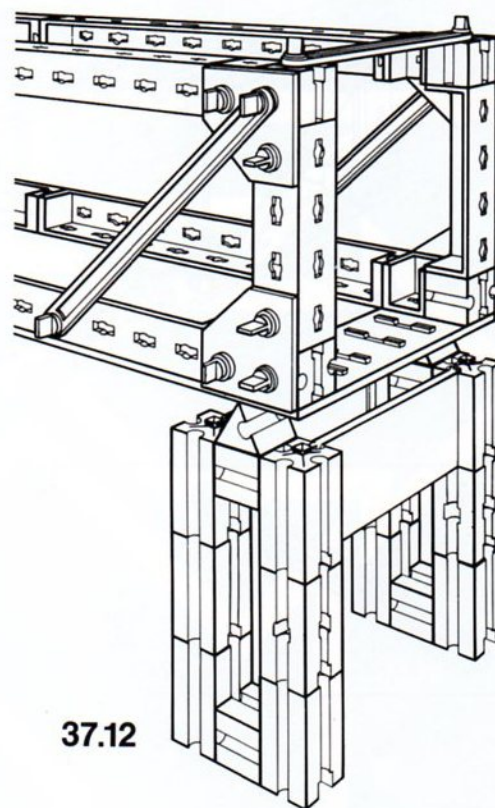
37.11

2x

2x

2x

37.11



37.12

37.13

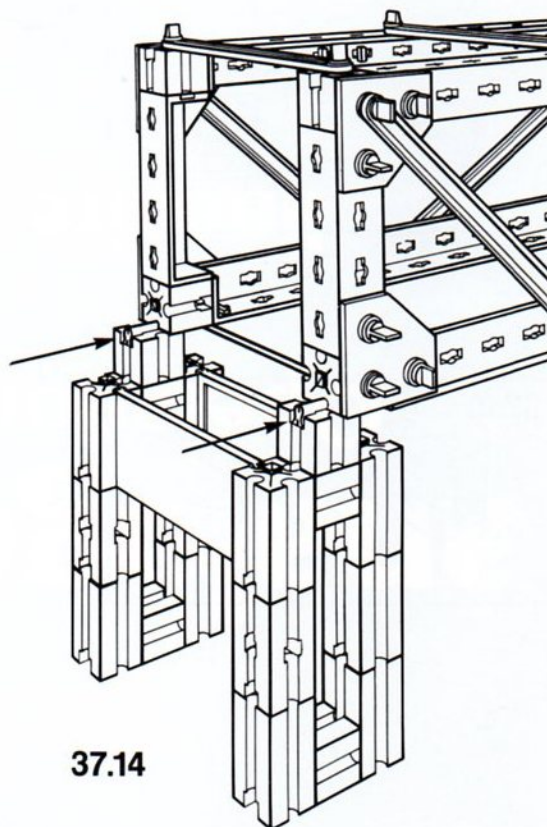
2x

2x

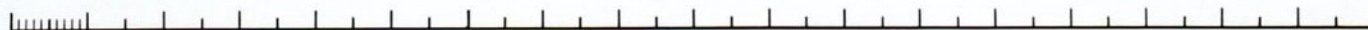
2x

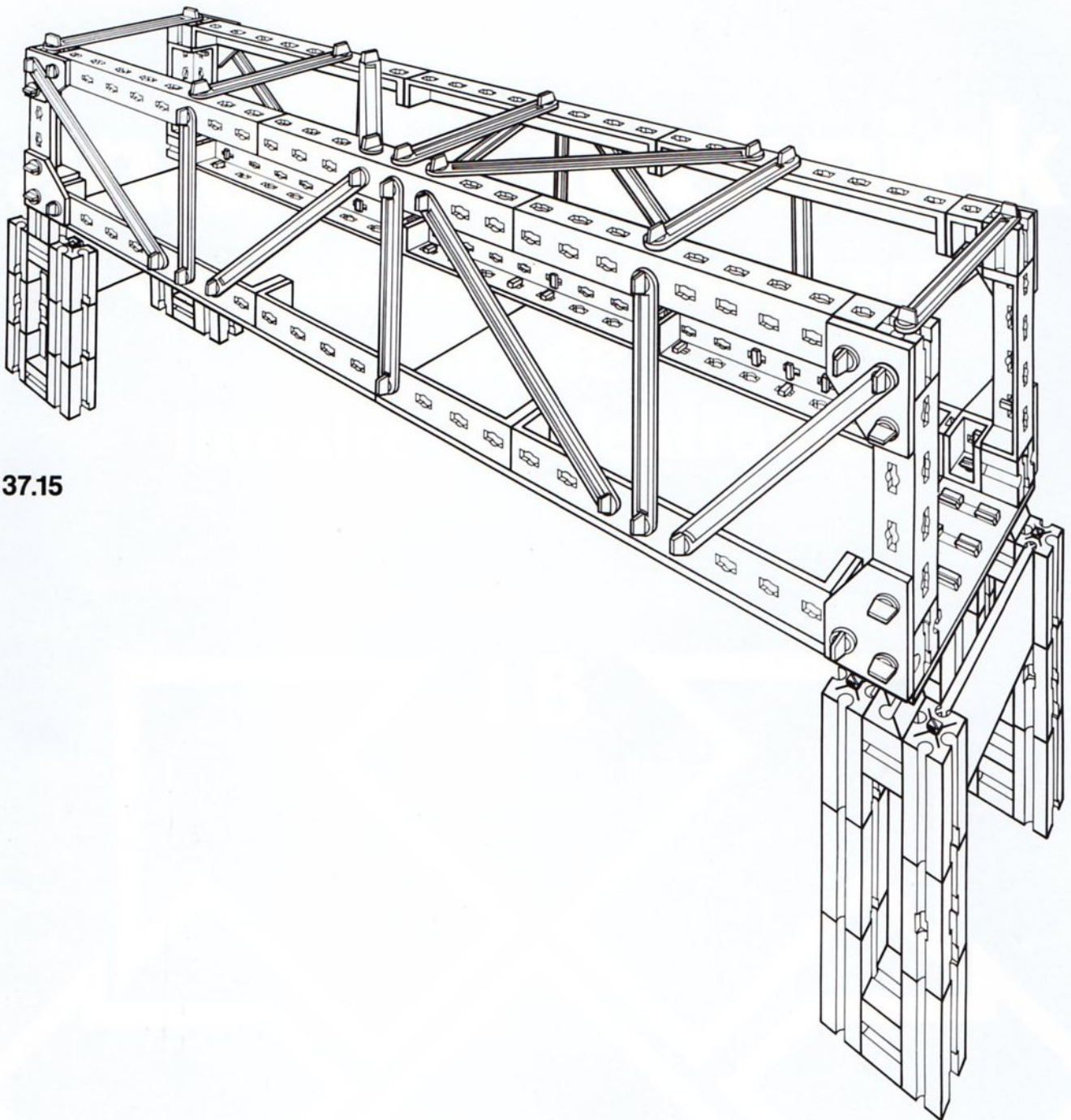
2x

37.13



37.14





37.15

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