



PROFI Solar Power

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1 PANEL INCLUDED



Bauanleitung
Assembly instruction
Instructions de montage
Bouwhandleiding
Instrucciones de construcción

Manual de montagem
Istruzioni di montaggio
Инструкция по сборке
安装说明书

PROFI Solar Power

MODELS

4

- Mit dem fischertechnik eLearning Portal geben wir dir die Möglichkeit, noch mehr Hintergrundwissen zum Thema des Baukastens zu erhalten. Über <https://www.fischertechnik.de/elearning-solarpower> gelangen Sie direkt zum eLearning Portal.
- The fischertechnik eLearning Portal provides even more background knowledge on the topic of the building set. You can access the portal directly at <https://www.fischertechnik.de/elearning-solarpower>
- Avec le portail e-learning fischertechnik, nous t'offrons la possibilité d'acquérir encore plus de connaissances de base au sujet du kit de construction. Tu peux accéder directement au portail via le lien <https://www.fischertechnik.de/elearning-solarpower>
- Met het fischertechnik eLearning portaal geven wij jou de mogelijkheid, nog meer achtergrondkennis over het thema van de bouwdoos te verkrijgen. Via <https://www.fischertechnik.de/elearning-solarpower> kom je rechtstreeks naar het portaal.
- Con el portal de eLearning de fischertechnik, te damos la posibilidad de obtener aún más conocimientos básicos sobre el tema del kit de montaje. Para acceder al portal, ingresa a <https://www.fischertechnik.de/elearning-solarpower>
- Com o portal de eLearning da fischertechnik damos lhe a possibilidade de obter ainda mais conhecimentos aprofundados sobre os kits de construção. Em <https://www.fischertechnik.de/elearning-solarpower> pode aceder diretamente ao portal de eLearning.
- Com o portal de aprendizagem virtual da fischertechnik, oferecemos a oportunidade de receber ainda mais informações contextuais sobre o tema kits de construção. Acesse o portal diretamente através do endereço <https://www.fischertechnik.de/elearning-solarpower>
- На обучающем интернет-портале компании fischertechnik вы получите еще больше базовых знаний по теме конструирования. Ссылка <https://www.fischertechnik.de/elearning-solarpower> ведет прямо на портал.
- 通过 fischertechnik 线上学习门户，我们让您能有机会了解更多有关该模块主题的背景知识。可通过 <https://www.fischertechnik.de/elearning-solarpower> 直接前往该门户。



- Werde Mitglied im kostenlosen fischertechnik Fan Club und nutze die Vorteile. Melde dich hierzu einfach unter www.fischertechnik.de/FanClub an.
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- Hazte miembro del club de aficionados gratuito de fischertechnik y disfruta de todas las ventajas. Regístrate en www.fischertechnik.de/FanClub.
- Torne-se um membro do fã-clube gratuito da Fischertechnik aproveite-a. Basta registrar-se em www.fischertechnik.de/FanClub.
- Diventa membro del fan club gratuito di fischertechnik e sfrutta tutti i vantaggi. Basta registrarsi a www.fischertechnik.de/FanClub.
- Стань членом бесплатного фан-клуба fischertechnik и пользуйся преимуществами. Для этого просто зарегистрируйся по адресу www.fischertechnik.de/FanClub.
- x免费加入慧鱼粉丝俱乐部 (fischertechnik Fan Club) 会员，即刻享受会员福利。只需前往 www.fischertechnik.de/FanClub 完成注册即可。

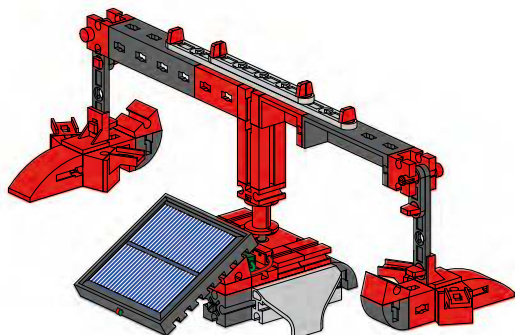
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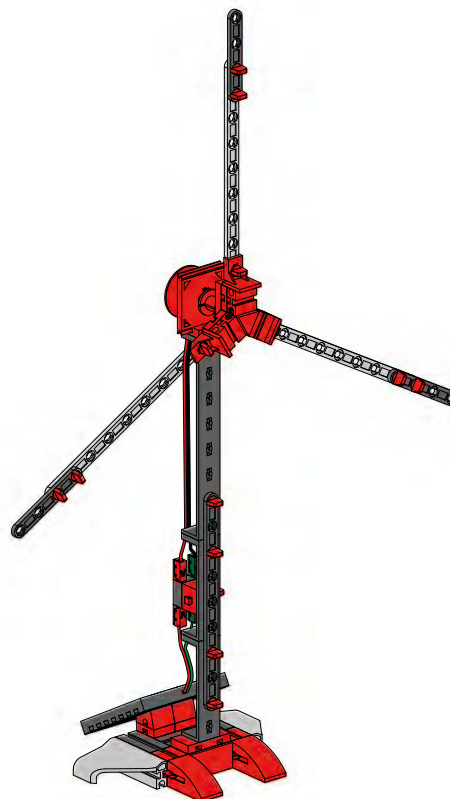
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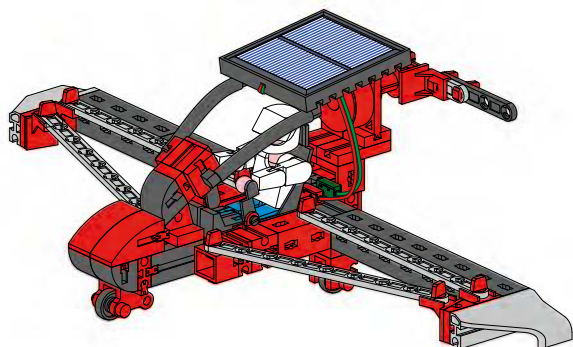
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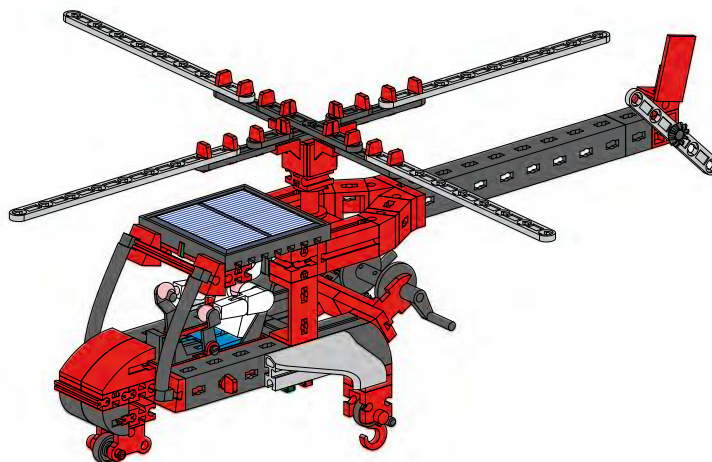
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Helikopter / Helicopter / Hélicoptère / Helikopter / Helicóptero / Helicóptero /
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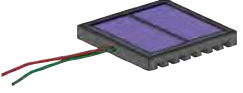
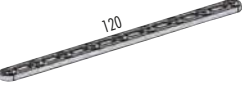










Einzelteilübersicht
Spare parts list
Liste des pièces détachées

| | |
|---|----------------|
|  | 31 011 8 x |
|  | 31 016 1 x |
|  | 31 027 1 x |
|  | 31 060 1 x |
|  | 31 061 5 x |
|  | 31 330 1 x |
|  | 31 597 1 x |
|  | 31 674 6 x |
|  | 31 690 3 x |
|  | 31 905 1 x |
|  | 31 909 1 x |
|  | 31 918 1 x |
|  | 31 978 1 x |
|  | 31 981 2 x |
|  | 31 982 11 x |
|  | 31 984 1 x |
|  | 31 994 2 x |

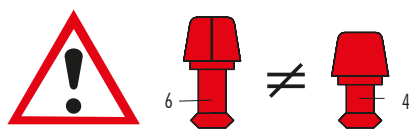
Onderdelenoverzicht
Lista da piezas
Resumo de peça individual

| | |
|---|----------------|
|  | 31 997 1 x |
|  | 31 998 1 x |
|  | 31 999 1 x |
|  | 32 064 1 x |
|  | 32 071 4 x |
|  | 32 085 1 x |
|  | 32 879 4 x |
|  | 35 049 2 x |
|  | 35 061 1 x |
|  | 35 806 1 x |
|  | 35 969 1 x |
|  | 36 293 1 x |
|  | 36 323 14 x |
|  | 36 324 4 x |
|  | 36 573 3 x |
|  | 36 913 3 x |

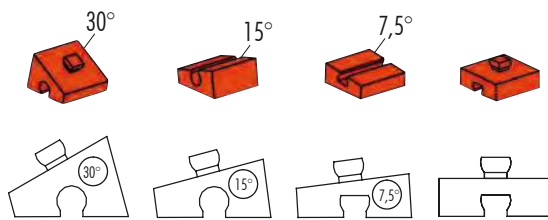
Singoli componenti
Перечень деталей
零件概览

| | |
|---|----------------|
|  | 36 914 2 x |
|  | 36 921 2 x |
|  | 36 922 1 x |
|  | 36 952 1 x |
|  | 36 973 2 x |
|  | 37 237 9 x |
|  | 37 238 2 x |
|  | 37 468 9 x |
|  | 37 636 2 x |
|  | 37 679 2 x |
|  | 38 216 1 x |
|  | 38 225 1 x |
|  | 38 241 1 x |
|  | 38 246 4 x |
|  | 38 413 1 x |
|  | 38 423 1 x |
|  | 38 428 1 x |
|  | 38 546 1 x |
|  | 116 251 2 x |
|  | 116 252 3 x |
|  | 127 471 2 x |
|  | 127 472 2 x |
|  | 146 142 1 x |
|  | 153 367 4 x |
|  | 156 494 1 x |
|  | 163 203 4 x |
|  | 163 436 1 x |
|  | 163 437 1 x |
|  | 163 439 2 x |
|  | 163 519 2 x |
|  | 172 542 4 x |
|  | 173 045 1 x |
|  | 181 583 2 x |
|  | 181 584 2 x |

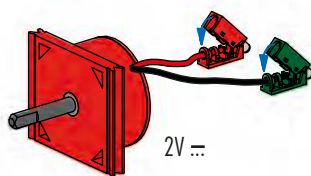
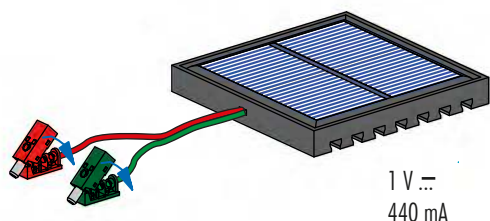
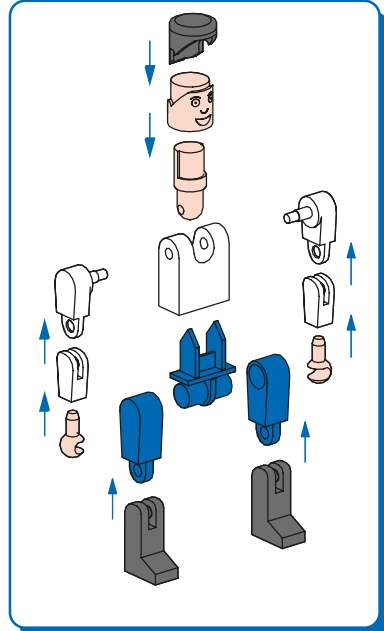
Montagetipps
Tips for assembly
Tuyaux pour le montage



Montagetips
Consejos para el montaje
"Dicas" para montagem



Consigli per il montaggio
Советы по сборке
装配建议



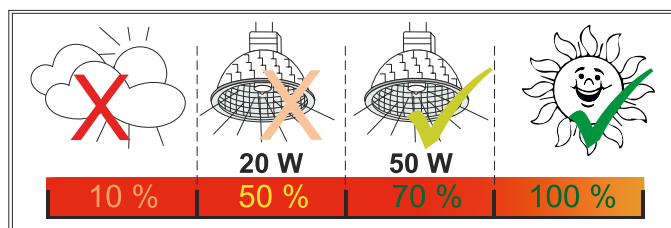
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Veiligheidsrichtlijnen
Indicaciones de seguridad
Observações sobre segurança

Informazioni per la sicurezza
Указания по технике безопасности
安全指南

- Die Solarzellen funktionieren bei Sonnenlicht oder mit einer Halogenlampe. Energiesparlampen oder Leuchtstoffröhren sind nicht geeignet.
- The solar cells work with sunlight or with a halogen light. CFL bulbs or fluorescent lights are not suitable.
- Les cellules solaires fonctionnent si elles sont exposées aux rayons du soleil ou à la lumière d'une lampe halogène. Les lampes à faible consommation d'énergie ou les tubes fluorescents ne sont pas appropriés.
- De zonnecellen werken op zonlicht of met behulp van een halogeelamp. Spaarlampen of TL-lampen zijn niet geschikt.
- Las celdas solares funcionan con luz solar o una lámpara halógena. Lámparas de ahorro de energía o tubos fluorescentes no son apropiados.
- As células solares funcionam com luz solar ou uma lâmpada de halogênio. Lâmpadas economizadoras de energia ou lâmpadas fluorescentes não são adequadas.

- Le celle solari funzionano con la luce del sole o con una lampada alogena. Le lampade a risparmio energetico e i tubi fluorescenti non sono adatti.
- Солнечные элементы работают от солнечного света или галогенной лампы. Энергосберегающие и люминесцентные лампы не подходят.
- С太阳能电池在太阳光下或用卤素灯工作。不适合使用节能灯或荧光灯管。

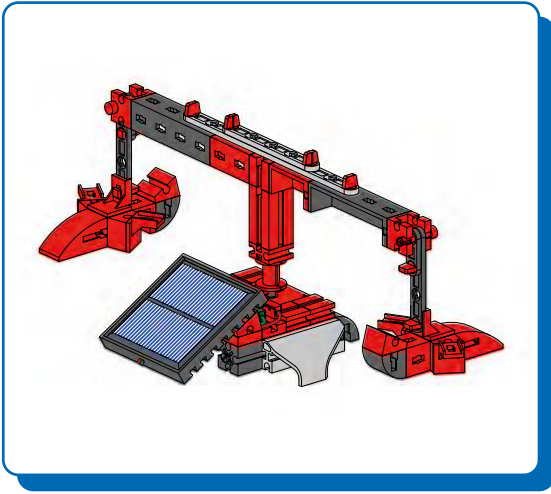


- Achtung! Verletzungsgefahr an Bauteilen mit funktionsbedingten scharfen Kanten und Spitzen!
- Caution! Be careful not to hurt yourself on components with sharp or pointed edges!
- Attention! Risque de blessure sur les éléments comportant des arêtes et o pointes vives indispensables au bon fonctionnement!
- Let op! U kunt zich bezeren aan bouwstenen met sherpe randen of punten!
- Atención! ¡cuidado, no te hagas daño con los componentes con bordes afilados o puntiagudos!

- Atenção! Perigo de ferimentos em peças componentes com cantos vivos e pontas obrigatórias para o funcionamento!
- Attenzione! Pericolo di lesioni dovute a componenti con spigoli vivi e punte per motivi funzionali!
- Будьте осторожны! Об острые края деталей и и наконечники можно порезаться!
- 注意！因功能需要而带有锋利的棱边和尖角的部件可能会带来受伤危险！

- Alle Einzelteile, insbesondere bewegliche Teile sind falls notwendig zu warten und zu reinigen.
- All components, especially moving parts, should be maintained and cleaned as necessary.
- Toutes les pièces détachées et en particulier les pièces mobiles, sont, si nécessaire, à entretenir et à nettoyer.
- Alle onderdelen, vooral de bewegende delen, kunnen, indien noodzakelijk, onderhouden en gereinigd worden.
- Es necesario mantener limpio y en buen estado cada una de las piezas. Particularmente las piezas móviles.





- Todas as peças individuais, especialmente peças móveis, devem ser submetidas à manutenção e limpas se necessário.
- Se necessario, tutti i singoli componenti, soprattutto le parti mobili, si devono eventualmente sottoporre a manutenzione e pulizia.
- Все детали, особенно подвижные, требуют ухода и чистки.
- 必要时应保养和清洁所有零件，尤指运动部件。

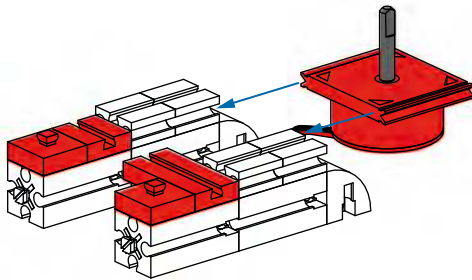
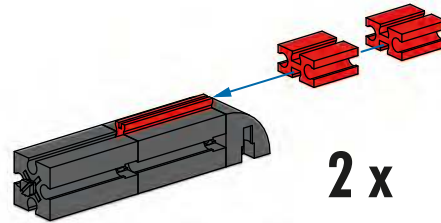




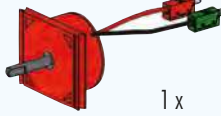
Karussell
Merry-go-round
Manège






Draaimolen
Tiovivo
Carrousel

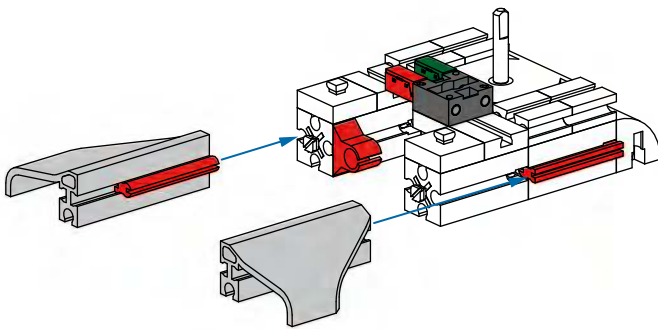
Giostra
Карусель
旋转臂


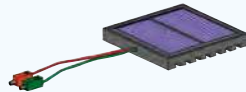
1  4 x  2 x  4 x  2 x

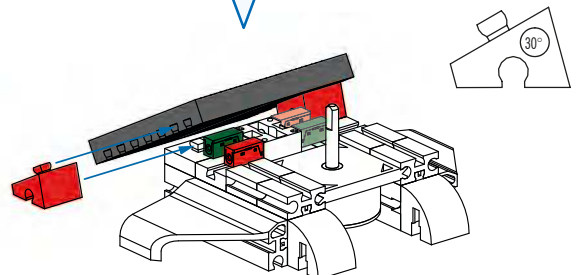


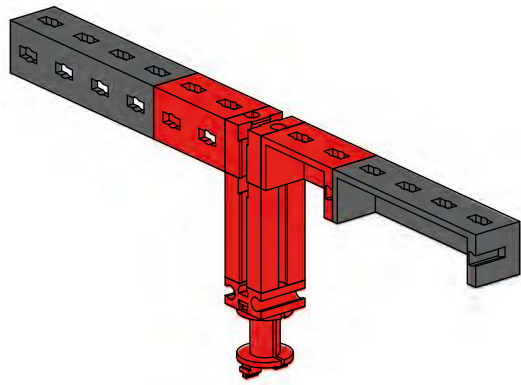
2  1 x  2 x  1 x

3  2 x  1 x  1 x  1 x  1 x



4  2 x  1 x



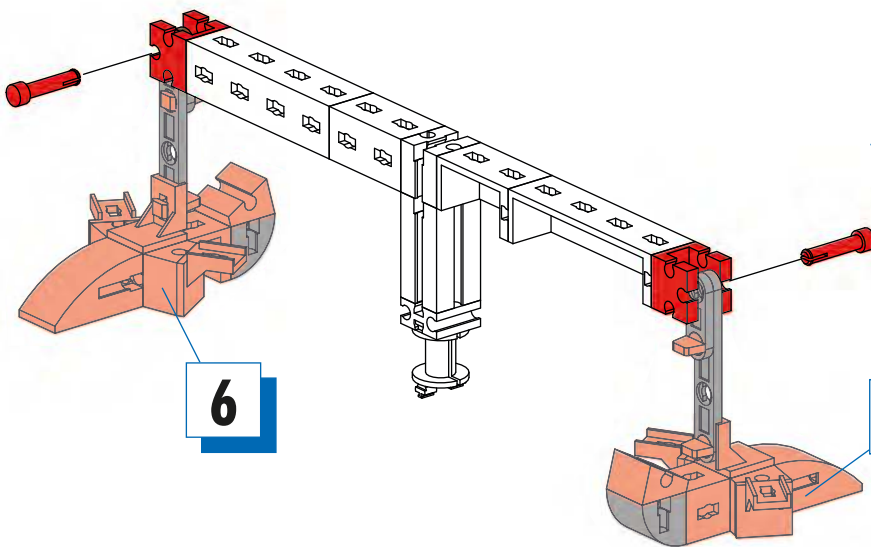
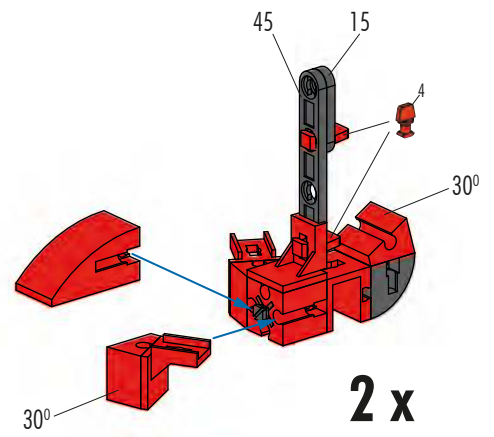
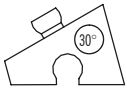


5

- 1x (Red Pin)
- 1x (Red 1x3 Technic Brick)
- 2x (Red 1x2 Technic Brick)
- 1x (Red 1x2 Technic Brick with Groove)
- 1x (Red 1x2 Technic Brick with Groove)
- 2x (Grey 1x4 Technic Beam)

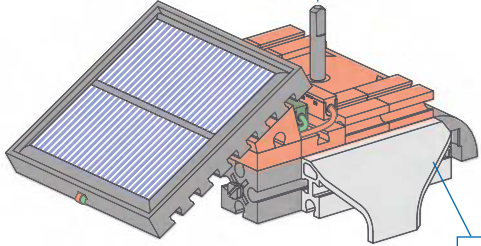
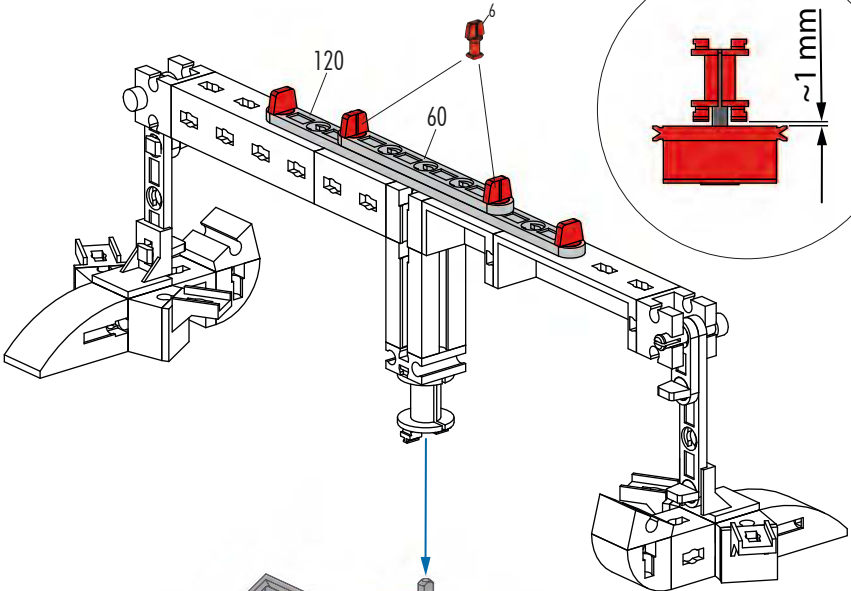
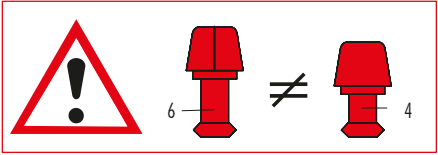
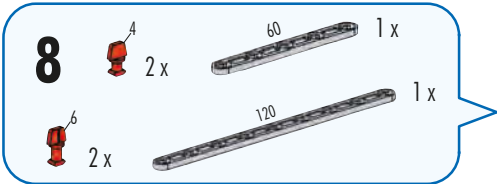
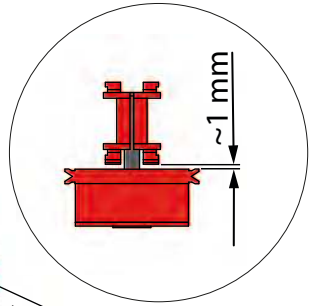
6

- 2x (Red 1x2 Technic Brick)
- 2x (Red 1x2 Technic Brick)
- 6x (Red 1x2 Technic Brick)
- 2x (Grey 1x4 Technic Beam)
- 4x (Red Pin)
- 6x (Red 30° Technic Wedge)
- 2x (Grey 1x2 Technic Beam)
- 2x (Red 1x2 Technic Brick)
- 2x (Grey 1x2 Technic Beam)

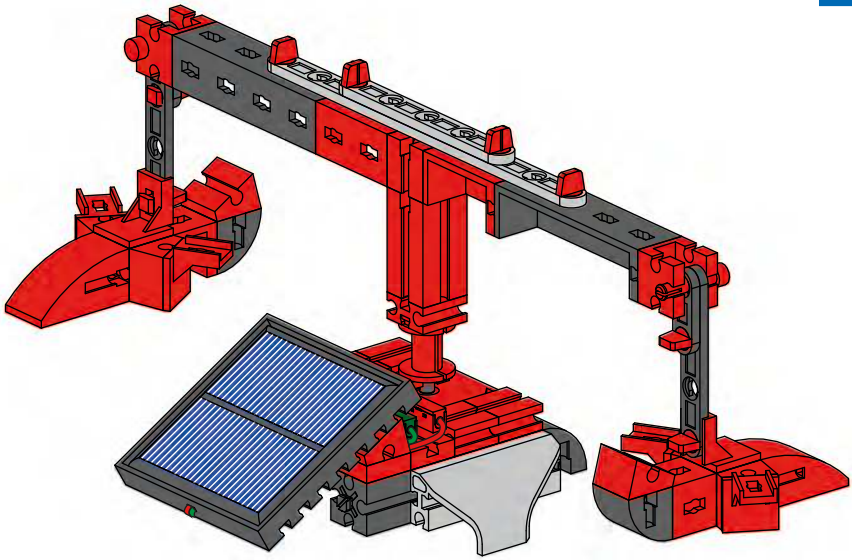


7

- 2x (Red Pin)
- 2x (Red 1x2 Technic Brick)



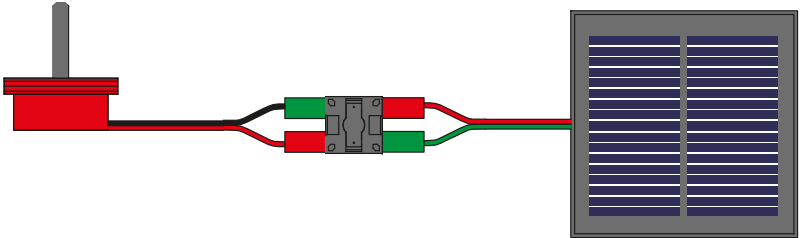
4



Schaltplan
Circuit diagram
Plan électrique

Schakelschema
Diagrama de circuitos
Plano elétrico de ligação

Schema elettrico
Схема подключения
电路图





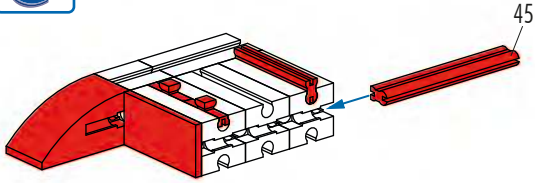
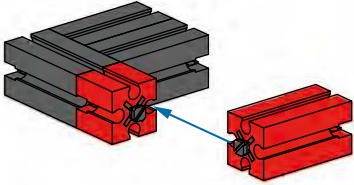
Windrad
Windmill
Roue éolienne

Windmolen
Rueda de viento
Moinho de vento

Molino a vento
Ветряное колесо
风车

1

- 3x [Grey Technic Beam 3]
- 1x [Red Technic Beam 3]
- 1x [Red Technic Pin with Friction Ridge]

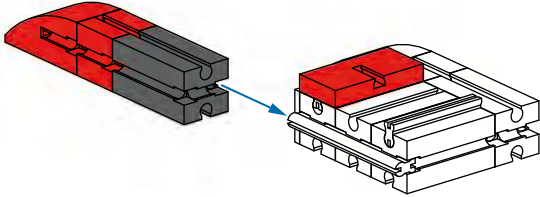


2

- 1x [Red Technic Beam 30]
- 2x [Red Technic Pin with Friction Ridge]
- 1x [Red Technic Pin with Friction Ridge]
- 1x [Red Technic Beam 45]
- 1x [Red Technic Pin with Friction Ridge]

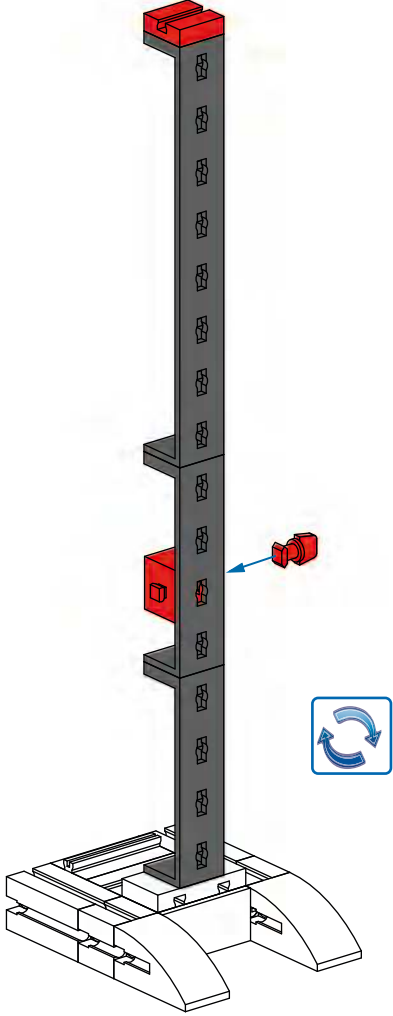
3

- 1x [Grey Technic Beam 3]
- 1x [Red Technic Pin with Friction Ridge]
- 1x [Red Technic Pin with Friction Ridge]
- 1x [Red Technic Pin with Friction Ridge]

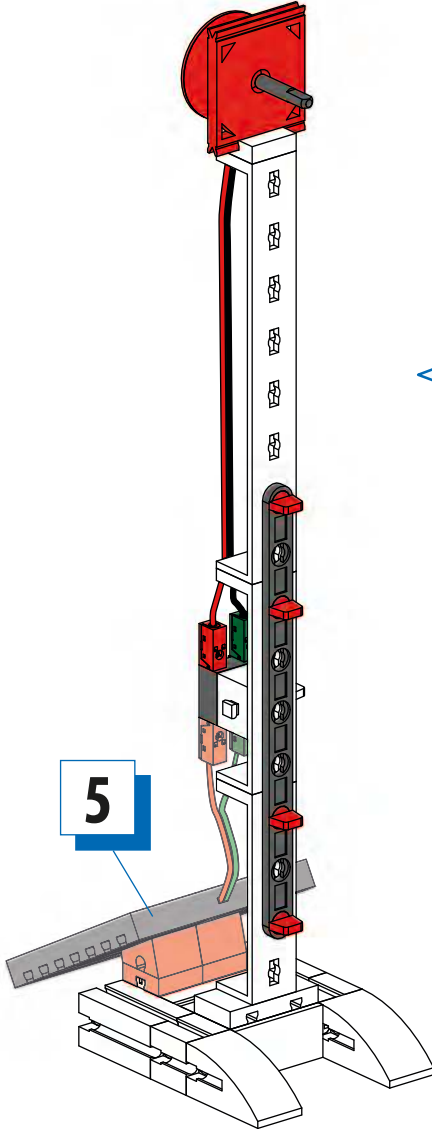
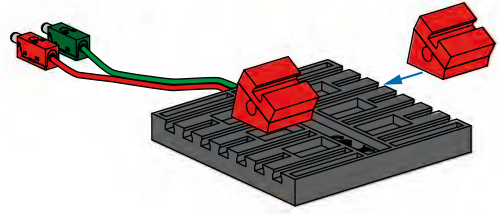
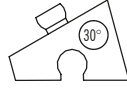
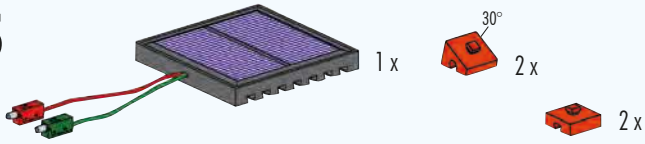


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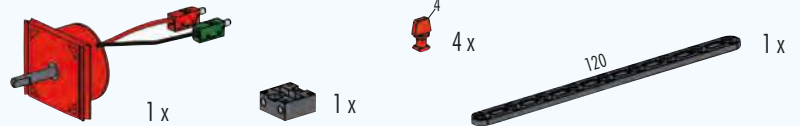
- 1x [Grey Technic Beam 11]
- 2x [Grey Technic Beam 5]
- 1x [Red Technic Pin with Friction Ridge]
- 1x [Red Technic Pin with Friction Ridge]
- 1x [Red Technic Pin with Friction Ridge]



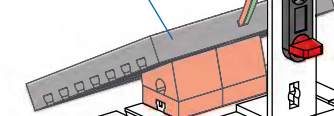
5



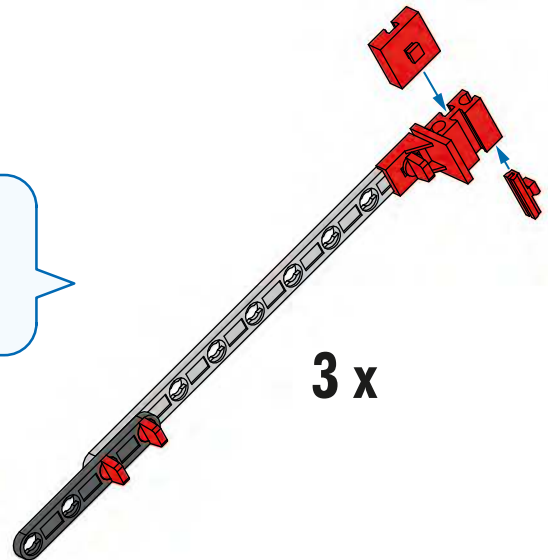
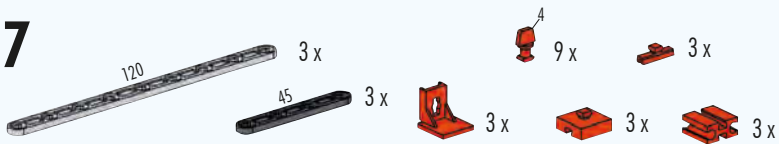
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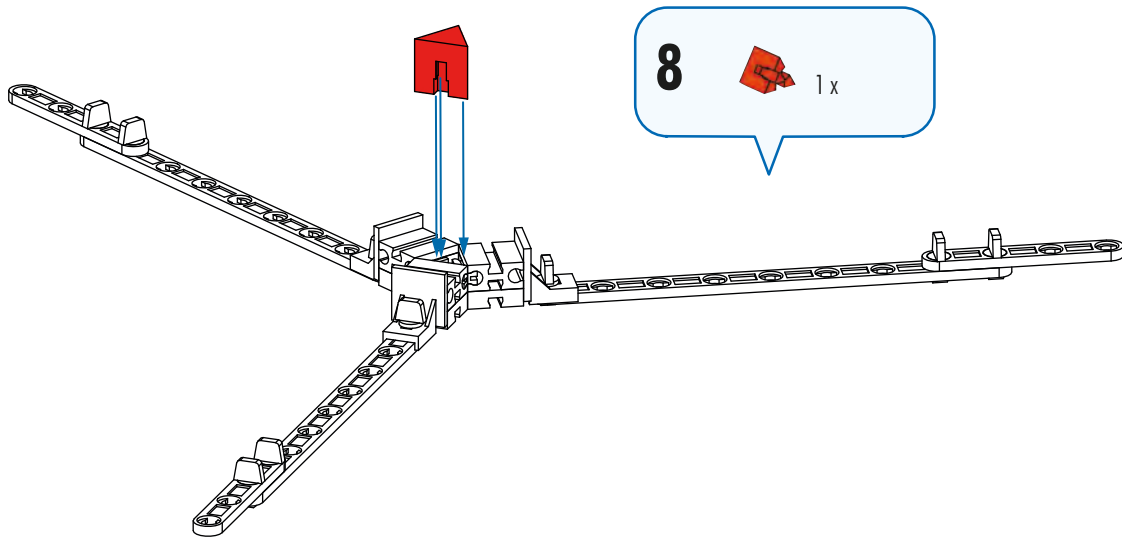



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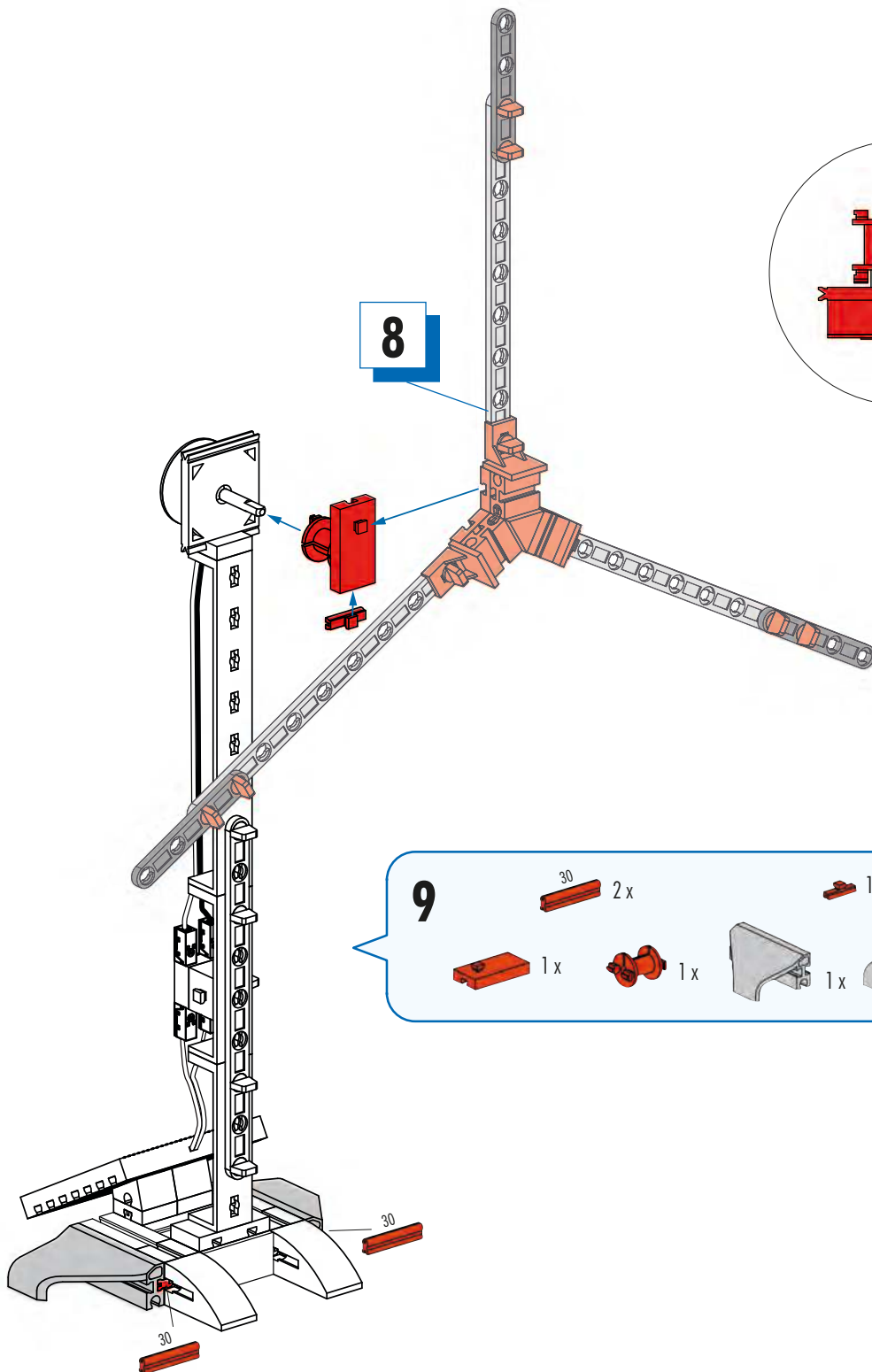


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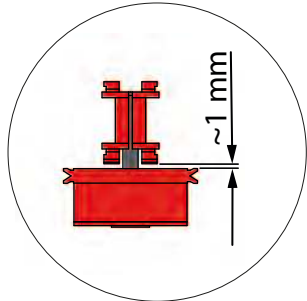










8  1x

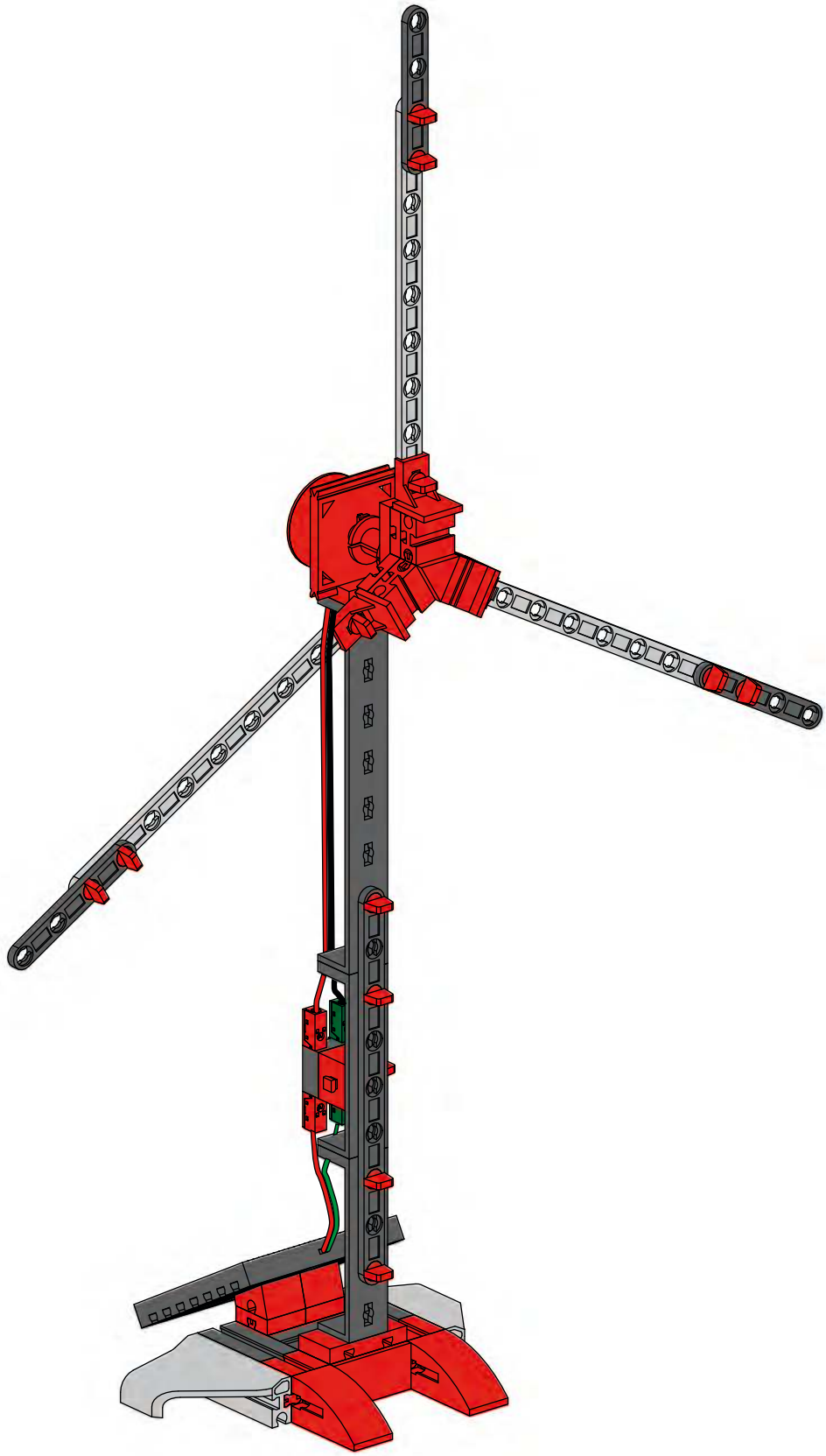


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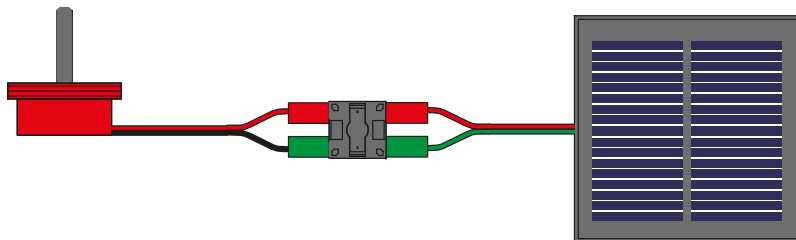
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|--|--|--|
|  1x |  30 2x |  1x |
|  1x |  1x |  1x |

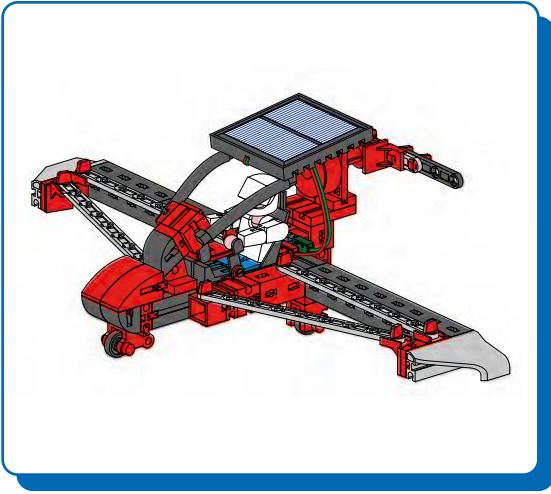


Schaltplan
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 Plan électrique

Schakelschema
 Diagrama de circuitos
 Plano elétrico de ligação

Schema elettrico
 Схема подключения
 电路图



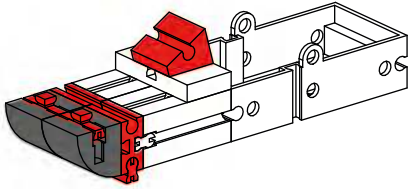
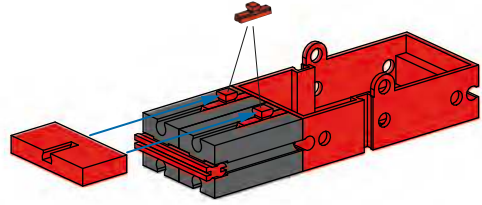


Flugzeug
Windmill
Roue éolienne

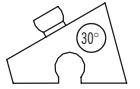
Windmolen
Rueda de viento
Moinho de vento

Girandola
Ветряное колесо
风车

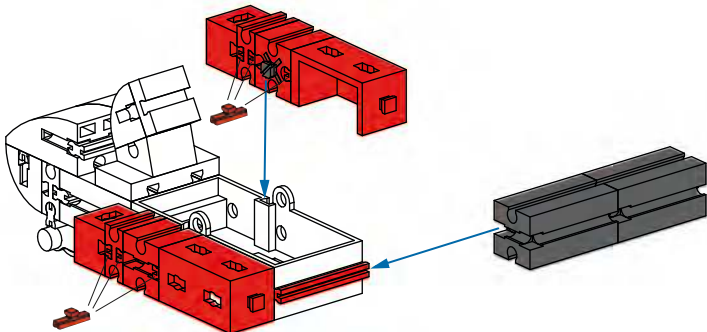
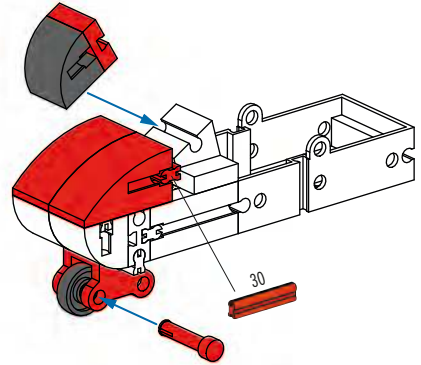
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2



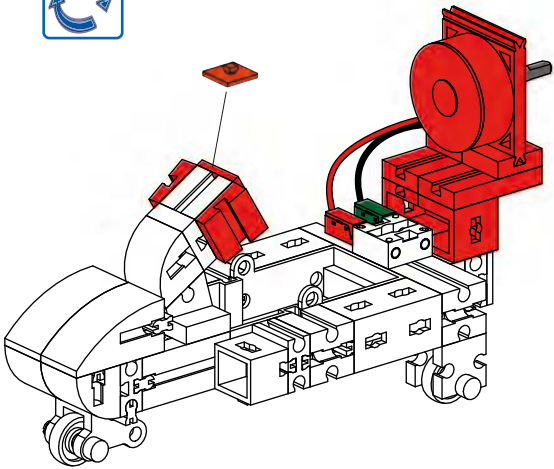
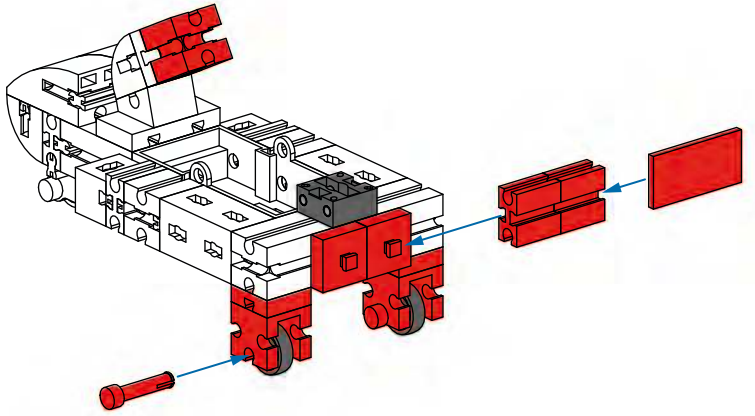
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4

5

- 2x (Red 1x2 Technic Beam)
- 1x (Black 1x2 Technic Beam)
- 1x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)
- 2x (Black 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)
- 1x (Red 1x2 Technic Pin)



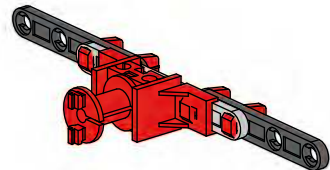
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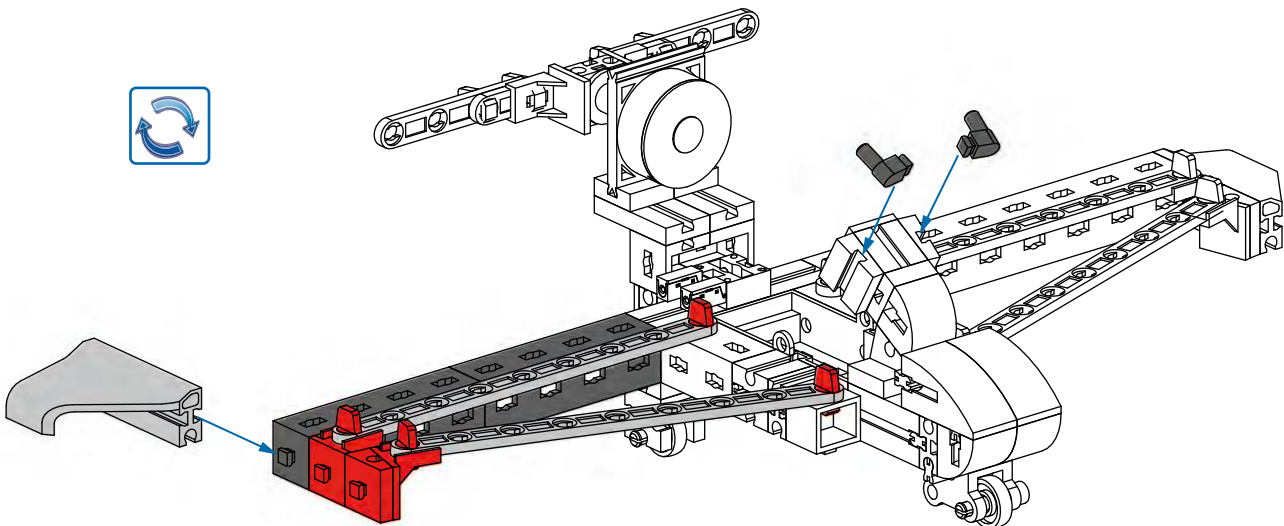
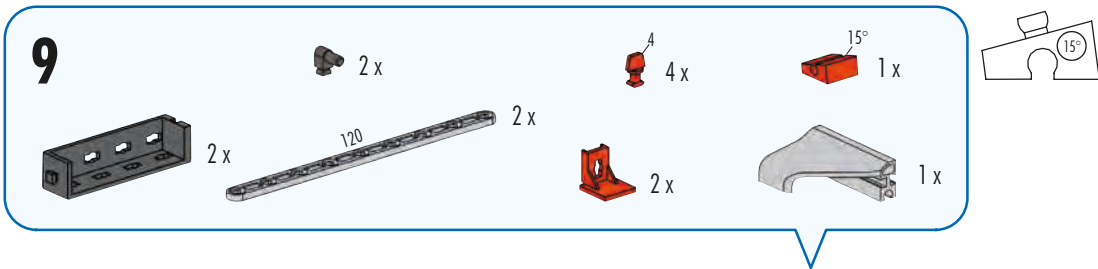
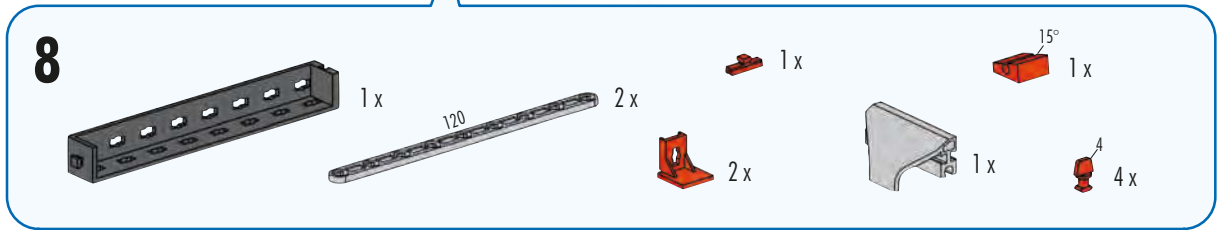
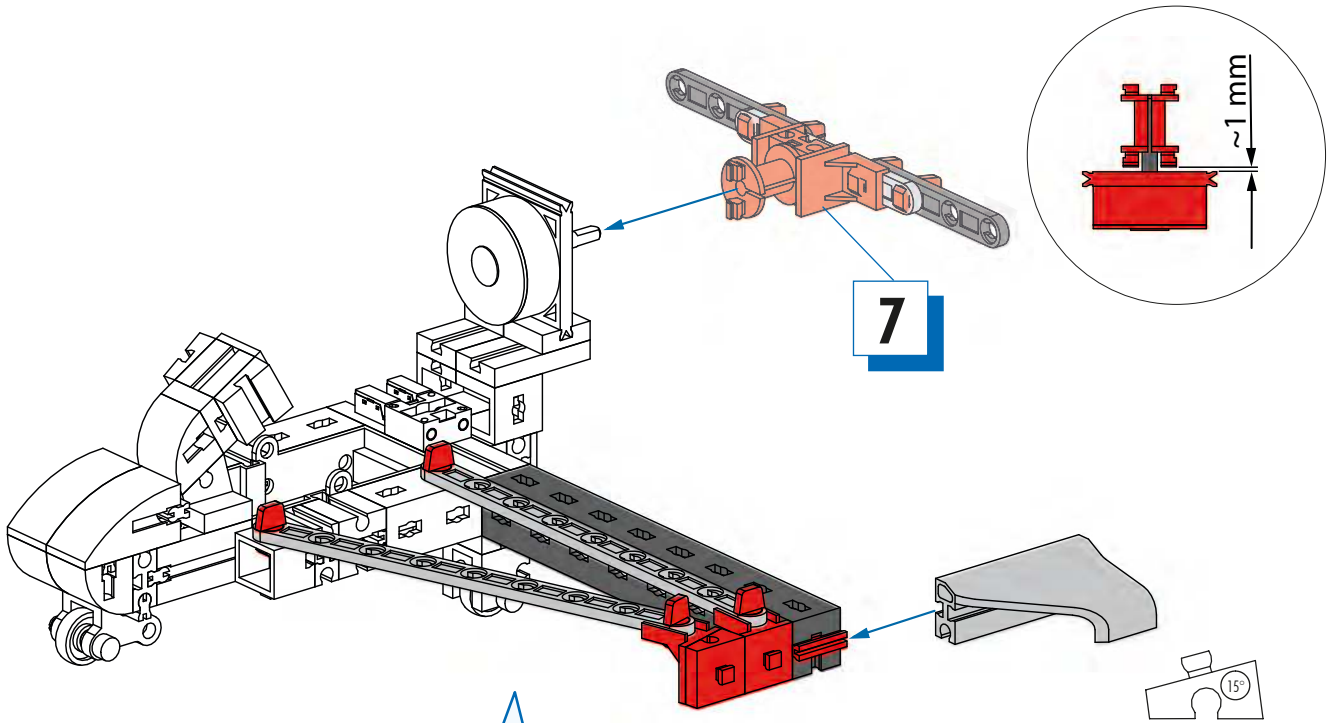
- 1x (Red 1x2 Technic Pin)
- 1x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)



7

- 1x (Red 1x2 Technic Pin)
- 1x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)
- 1x (Red 1x2 Technic Pin)
- 1x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)
- 2x (Red 1x2 Technic Pin)





10



1x



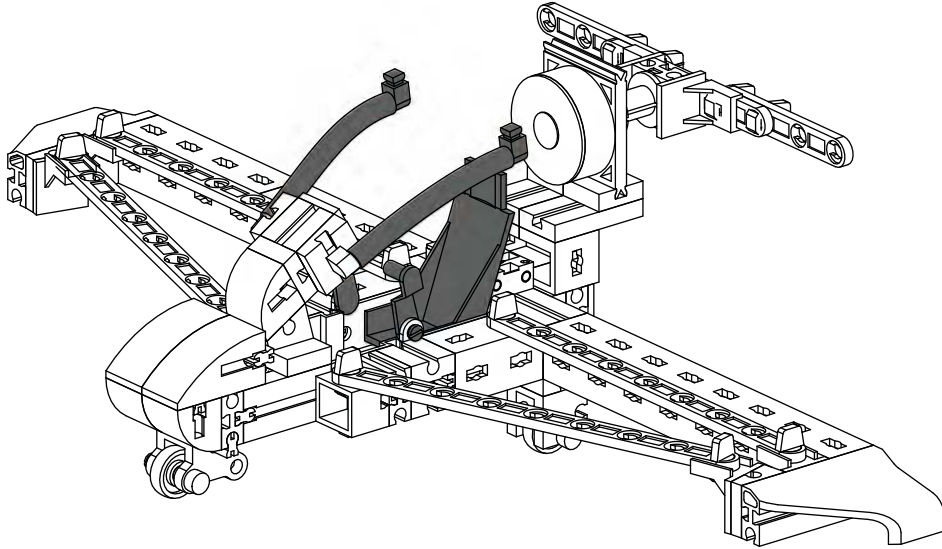
2x



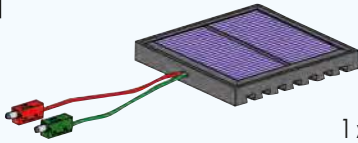
2x



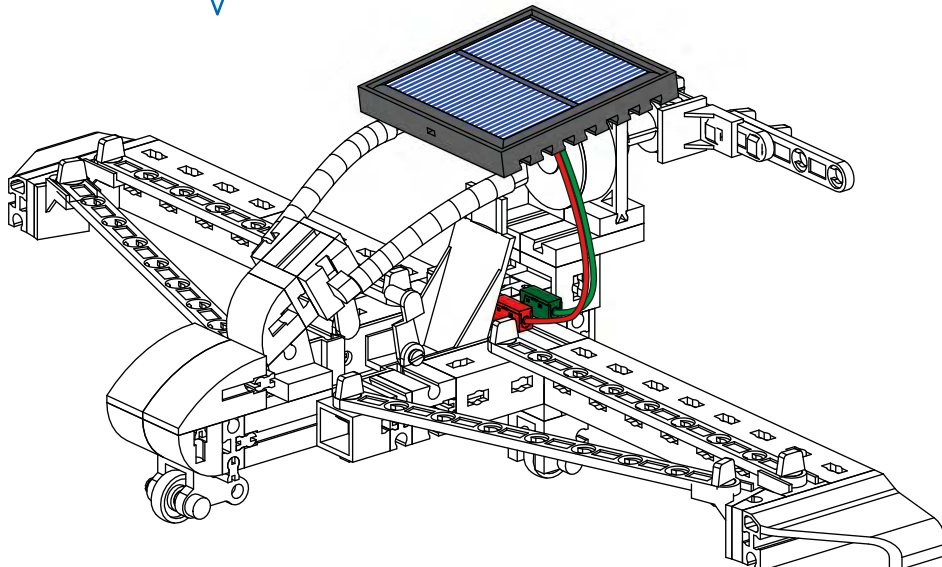
2x



11



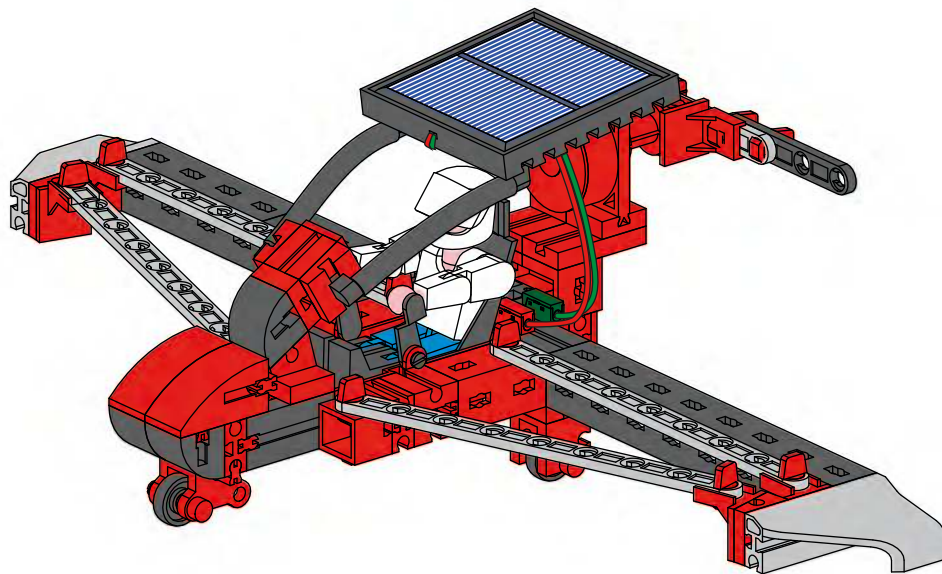
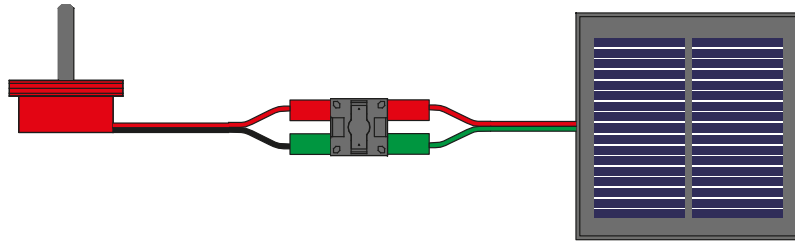
1x



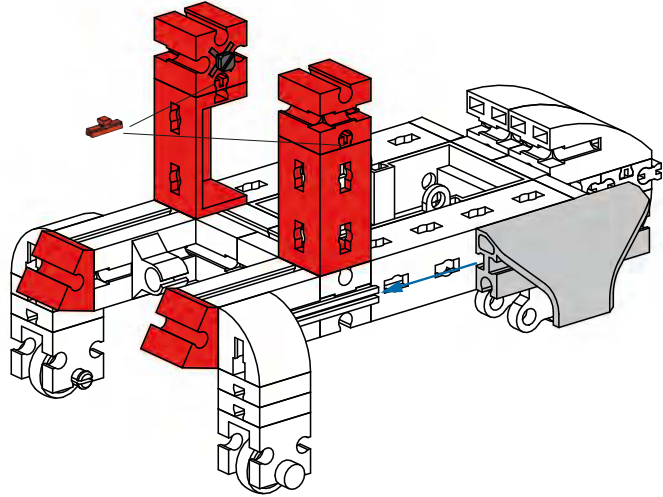
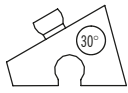
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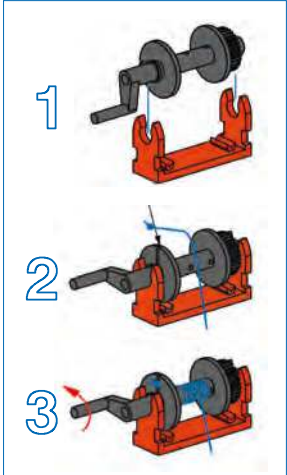
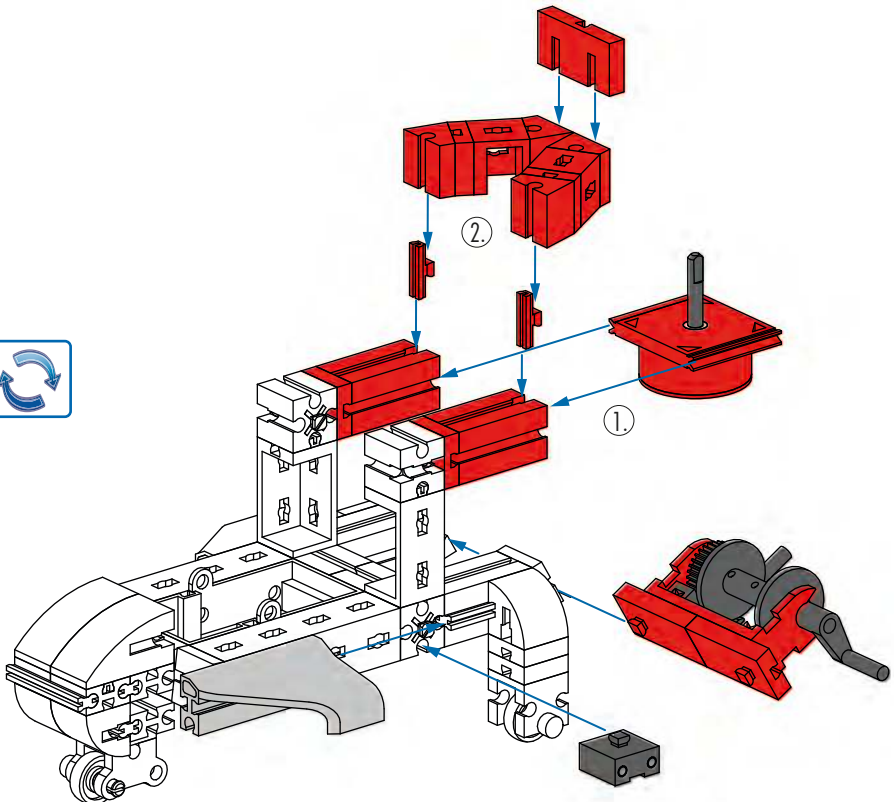
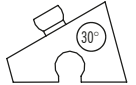
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电路图

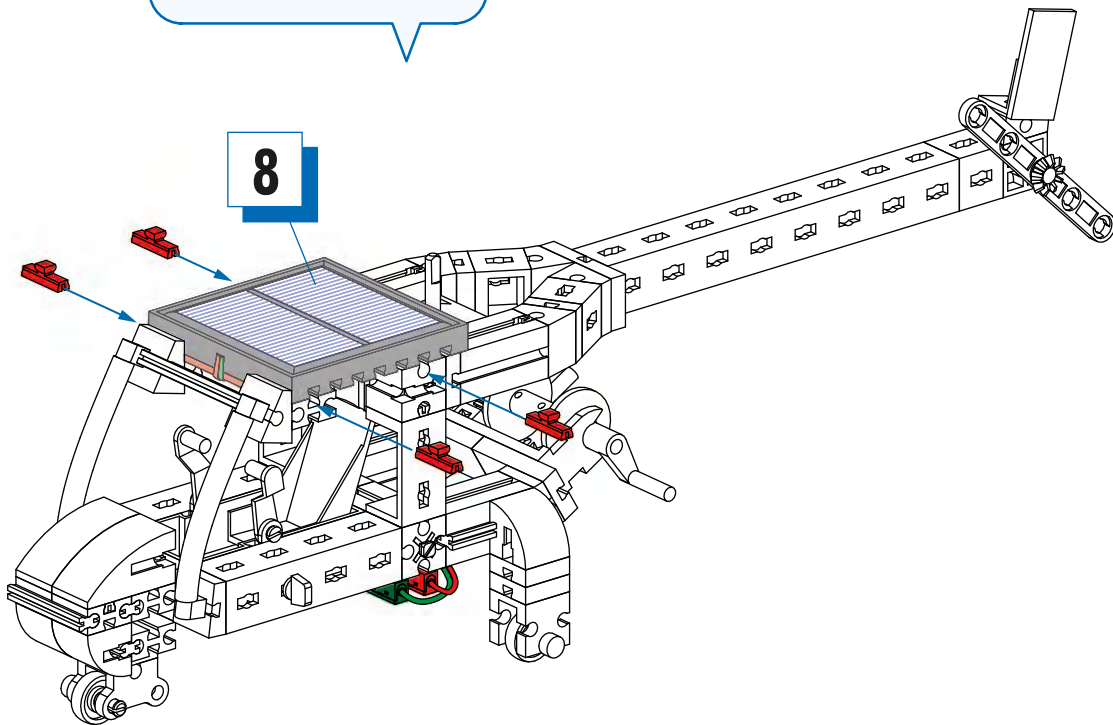
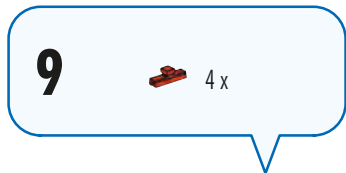
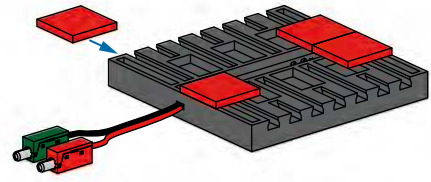
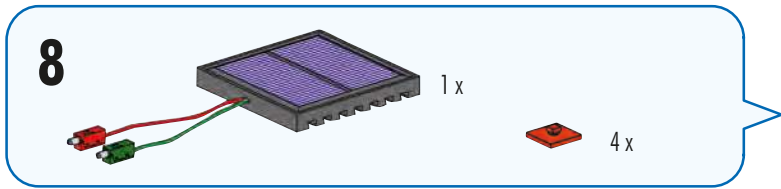


- 4**
- Red Technic 1x2 Pin Connector 2x
 - Grey Technic 1x2 Pin Connector 1x
 - Red Technic 30° Technic Brick with Pin 2x
 - Red Technic 1x2 Pin Connector 2x
 - Red Technic 1x2 Pin Connector 2x



- 5**
- Red Motor with Cable 1x
 - Grey Technic 1x2 Pin Connector 1x
 - Grey Technic Axle with Pin 1x
 - Red Technic 1x2 Pin Connector 1x
 - Red Technic 1x2 Pin Connector 4x
 - Grey Technic 1x2 Pin Connector 1x
 - Red Technic 30° Technic Brick with Pin 4x
 - Red Technic 1x2 Pin Connector 2x
 - Red Technic 1x2 Pin Connector 1x
 - Red Technic 1x2 Pin Connector 2x
 - Red Technic 1x2 Pin Connector 2x

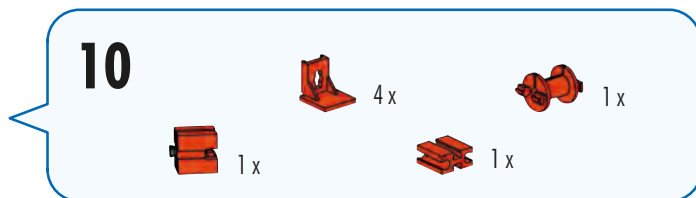
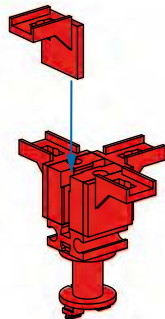
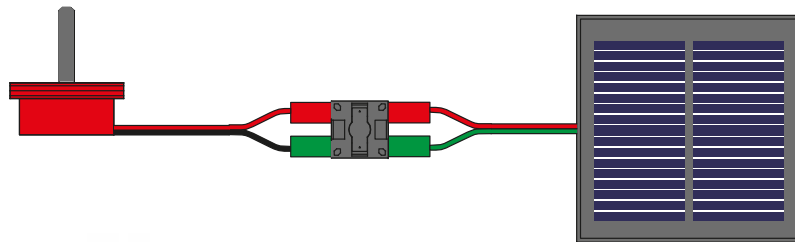




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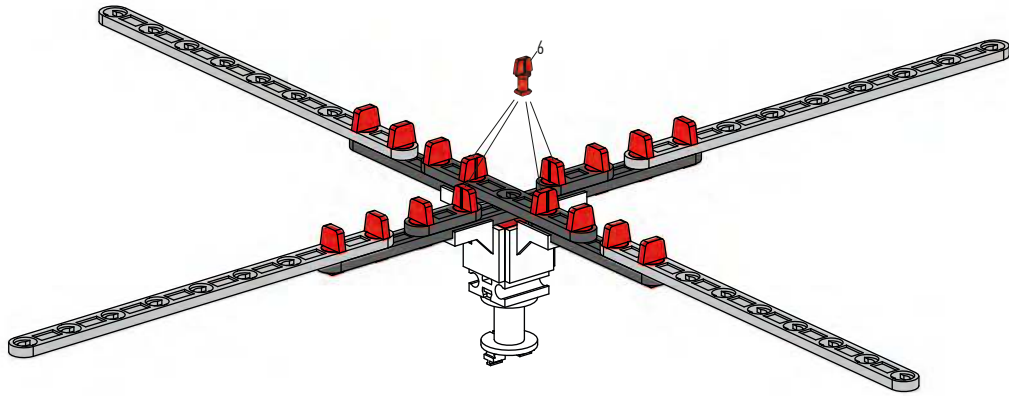
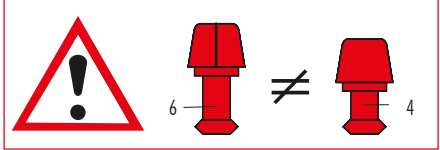
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电路图



11

120 4 x 120 1 x 60 1 x 4 12 x 6 4 x

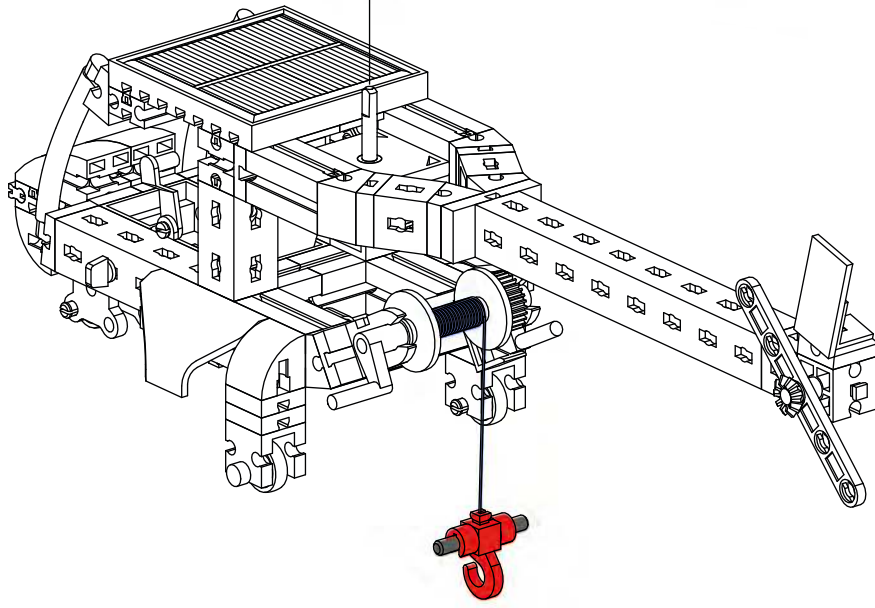
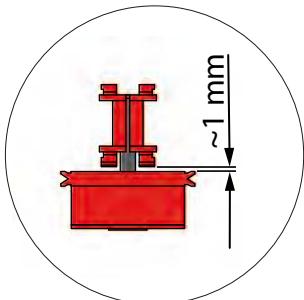
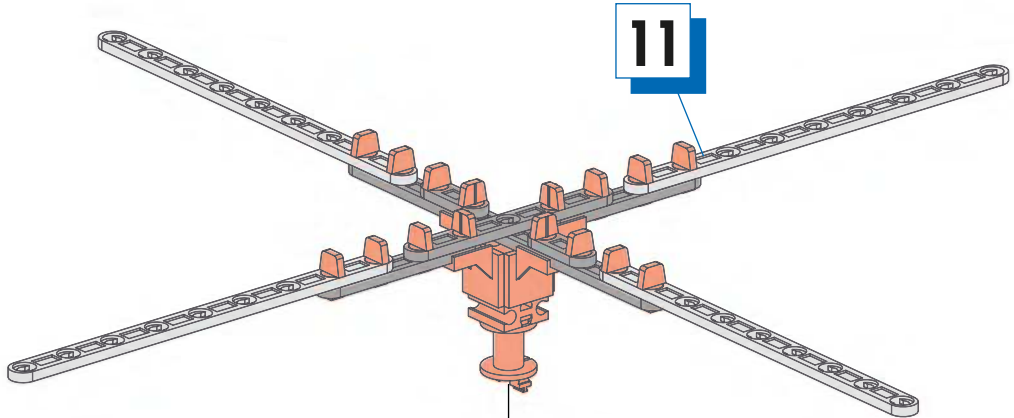
1 x 45 2 x 15 2 x

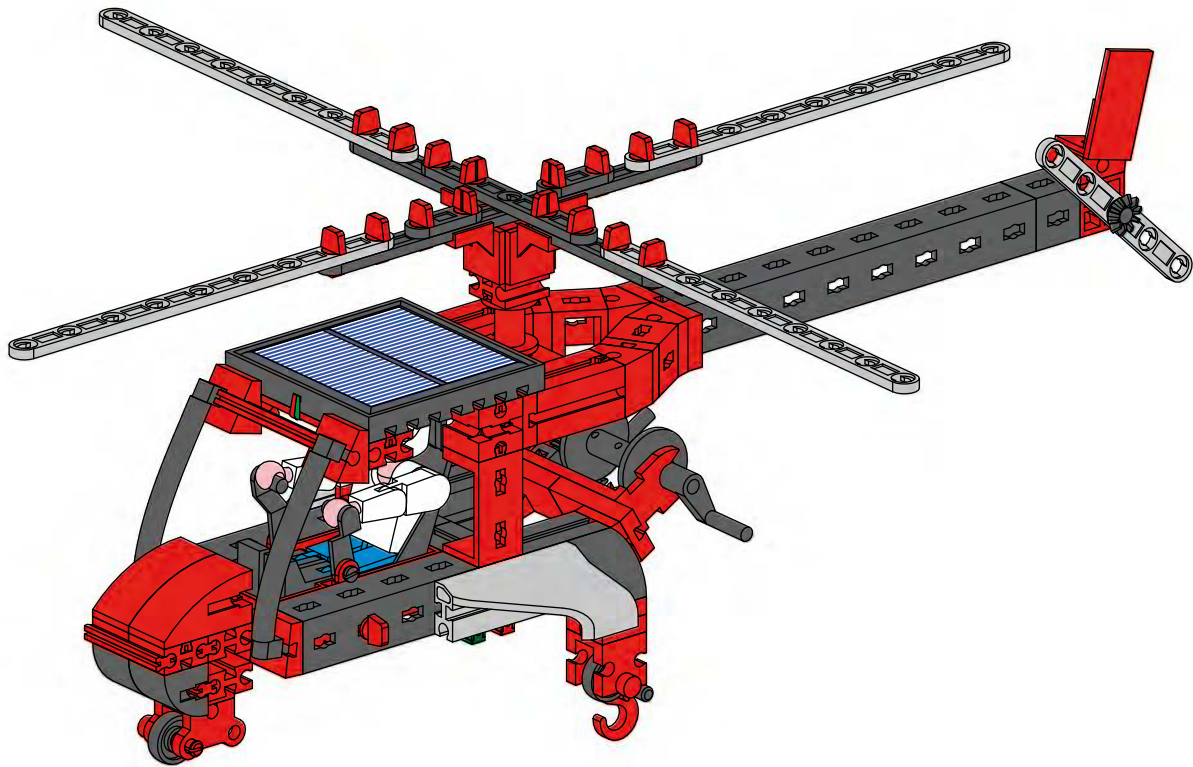


12

1 x 1 x 1 x

30 1 x 1 x





Hinweise zum Umweltschutz / Instructions for Environmental Protection / Remarques de protection de l'environnement / Bescherming van het milieu / Notas con respecto a la protección del medio ambiente / Instruções para a proteção do meio ambiente / Indicazioni sulla tutela ambientale / Указания по охране окружающей среды / 有关环保的提示 :

www.fischertechnik.de/environment