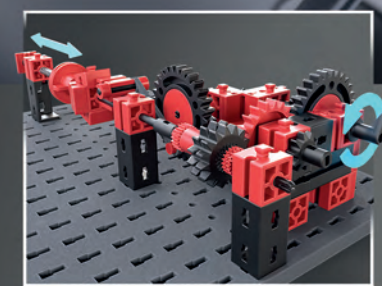
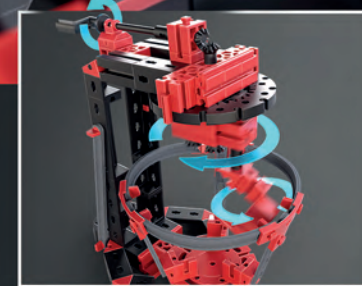
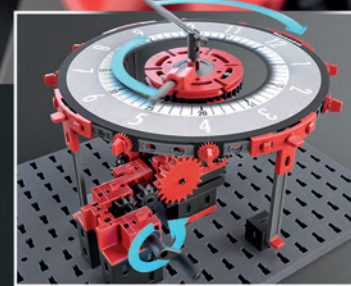


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PROFI Mechanics

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Bauanleitung
Assembly instruction
Instructions de montage
Bouwhandleiding
Instrucciones de construcción

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

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PROFI Mechanics

MODELS

12

- 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-mechanics> 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-mechanics>
- 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-mechanics>
- 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-mechanics> 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-mechanics>
- 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-mechanics> 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-mechanics>
- На обучающем интернет-портале компании fischertechnik вы получите еще больше базовых знаний по теме конструирования. Ссылка <https://www.fischertechnik.de/elearning-mechanics> 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-mechanics> 直接前往该门户。



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- Deviens membre du Fan club fischertechnik gratuit et profite de nombreux avantages. Il suffit de t'inscrire sur www.fischertechnik.de/FanClub.
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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.
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- 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。

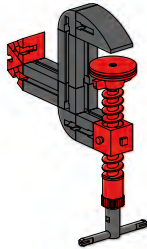
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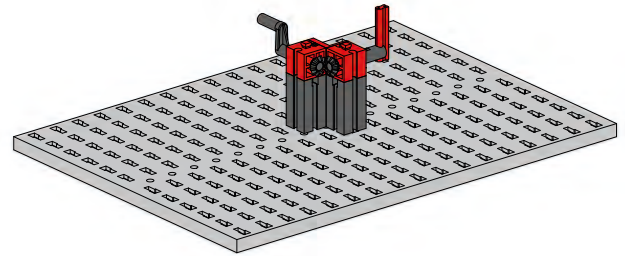
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Singoli componenti / Перечень деталей / 零件概览 1

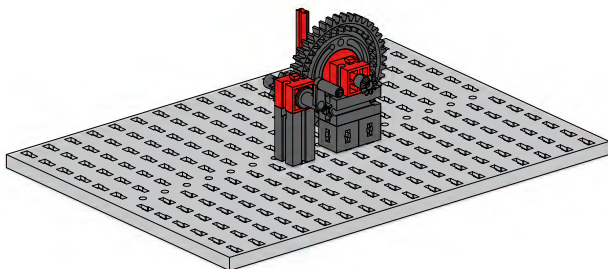
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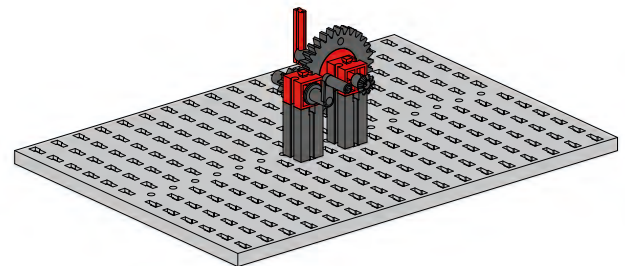
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Soporte para auriculares / Suporte de auscultadores / Supporto per cuffie /
Держатель гарнитуры / 耳机支架 3



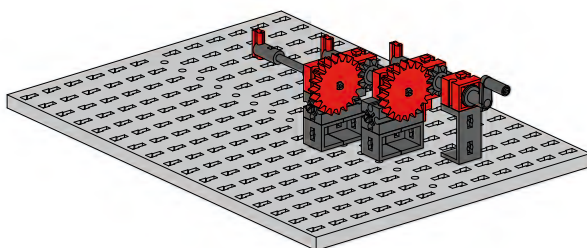
Winkelgetriebe / Angular gear / Réducteur d'angle / Hoekig tandwiel /
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Угловая передача / 角形齿轮 5



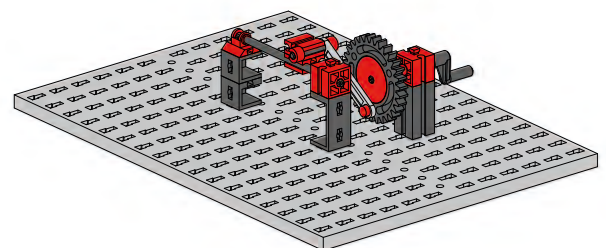
4:1 Stirnradgetriebe / 4:1 Spur gear / 4:1 Réducteur à engrenages cylindriques /
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4:1 Ingranaggio cilindrico / 4:1 Прямозубая шестерня /
4:1 正齿轮 7



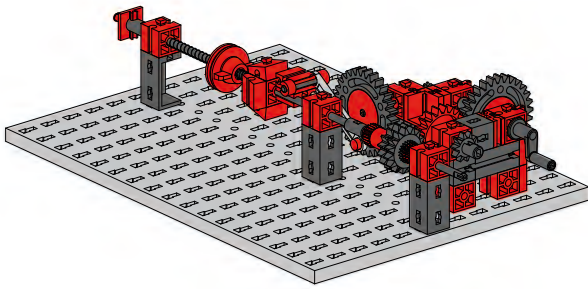
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3:1 Tandwiel / 3:1 Engranaje recto / 3:1 Equipamento de esporão /
3:1 Ingranaggio cilindrico / 3:1 Прямозубая шестерня /
3:1 正齿轮 9



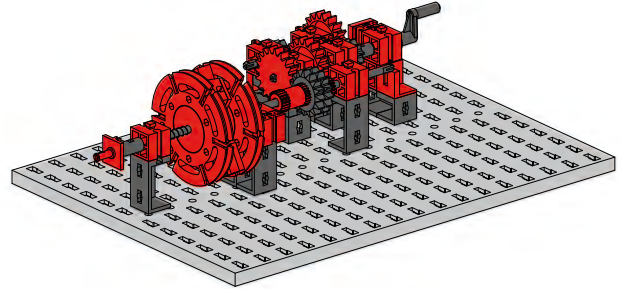
zweistufiges Stirnradgetriebe / two-stage spur gear /
réducteur à engrenages cylindriques à deux étages / tweetraps tandwiel / engranaje
recto de dos etapas / engrenagem de esporão de dois estágios /
ingranaggio cilindrico a due stadi / двухступенчатая
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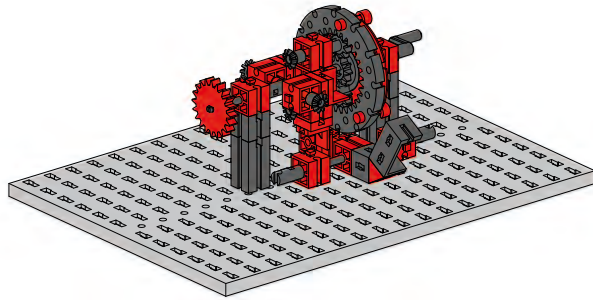
Schubkurbel / Push crank / Manivelle de poussée / Duwkruk / Manivela de empuje /
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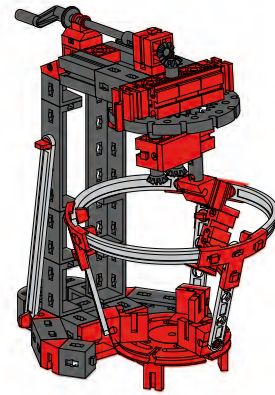
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 Martelo perfurador / Trapano a percussione / Дрель с молотком /
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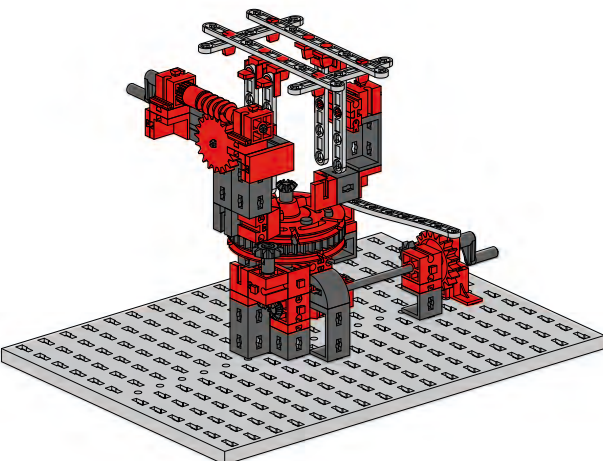
Schlagbohrer / Percussion drill / Perceuse à percussion / Slagboor /
 Taladro de percusión / Perfuratriz de percussão / Trapano a percussione /
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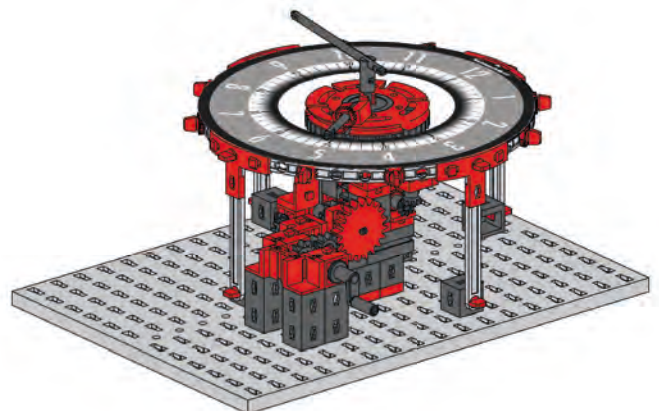
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 Engranaje planetario / Engrenagem planetária / Ingranaggio planetario /
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













Einzelteilübersicht
Spare parts list
Liste des pièces détachées






Onderdelenoverzicht
Lista da piezas
Resumo de peça individual

Singoli componenti
Перечень деталей
零件概览



	31 010 3 x
	31 011 2 x
	31 019 2 x
	31 022 1 x
	31 058 3 x
	31 060 3 x
	31 061 2 x
	31 124 1 x
	31 330 2 x
	31 426 1 x
	31 597 4 x
	31 670 4 x
	31 672 4 x
	31 674 1 x
	31 690 3 x
	31 848 4 x
	31 915 1 x

	31 918 2 x
	31 981 4 x
	31 982 15 x
	32 064 11 x
	32 316 1 x
	32 330 2 x
	32 879 2 x
	32 881 2 x
	35 031 3 x
	35 061 2 x
	35 062 4 x
	35 063 5 x
	35 064 2 x
	35 065 1 x
	35 066 2 x
	35 073 1 x
	35 088 2 x

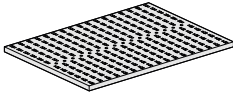

	35 113 1 x
	35 694 1 x
	35 695 2 x
	35 799 1 x
	35 945 3 x
	36 227 3 x
	36 264 2 x
	36 323 24 x
	36 334 10 x
	36 819 2 x
	36 920 8 x
	36 921 2 x
	36 922 7 x
	36 950 5 x
	36 973 1 x
	37 237 9 x
	37 468 9 x

	37 527 1 x
	37 679 4 x
	37 858 1 x
	37 925 1 x
	37 926 1 x
	38 240 8 x
	38 246 2 x
	38 413 1 x
	38 423 3 x
	68 535 1 x
	130 593 2 x
	137 677 3 x
	153 670 4 x
	160 542 1 x
	160 543 4 x
	160 548 2 x
	172 542 2 x


Einzelteilübersicht
Spare parts list
Liste des pièces détachées

	173 043 1 x
	173 045 6 x

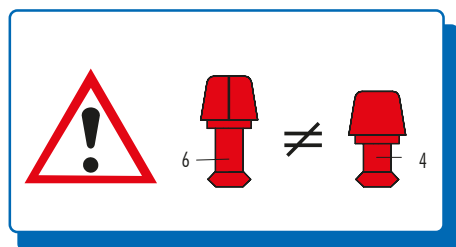
Onderdelenoverzicht
Lista da piezas
Resumo de peça individual

	200 921 1 x
	201 090 1 x

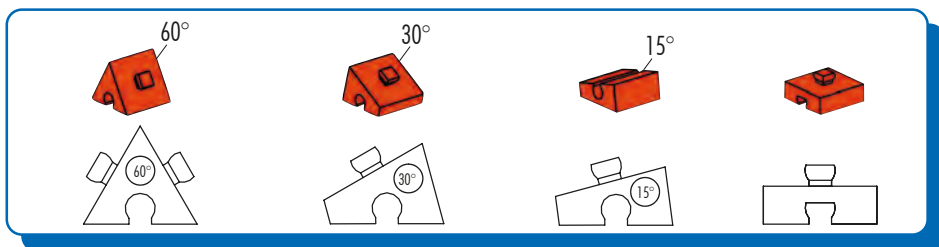
Singoli componenti
Перечень деталей
零件概览

	202 892 1 x

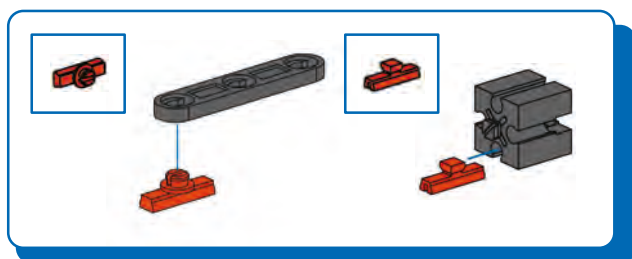
Montagetipps
Tips for assembly
Tuyaux pour le montage



Montagetipps
Consejos para el montaje
"Dicas" para montagem



Consigli per il montaggio
Советы по сборке
装配建议



Sicherheitshinweise
Safety Information
Consignes de sécurité

- 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 scherpe randen of punten!
- Atención! ¡cuidado, no te hagas daño con los componentes con bordes afilados o puntiagudos!

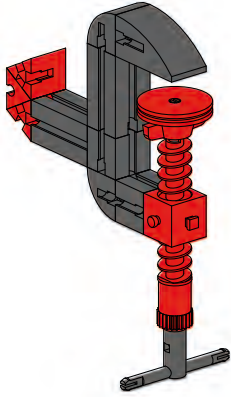
Veiligheidsrichtlijnen
Indicaciones de seguridad
Observações sobre segurança

Informazioni per la sicurezza
Указания по технике безопасности
安全指南

- Atenção! Perigo de ferimentos em peças componentes com cantos vivos e pontas obrigatórios 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 limpiar y mantener en buen estado todas las diferentes piezas - especialmente las piezas móviles.

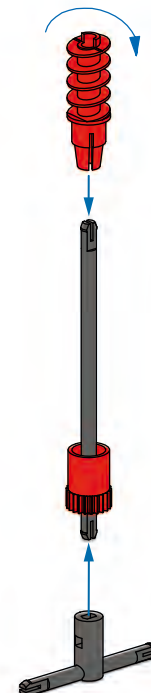
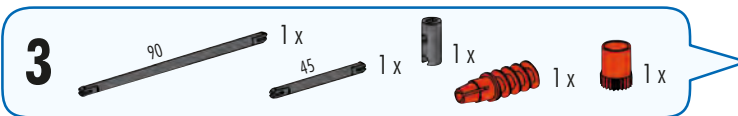
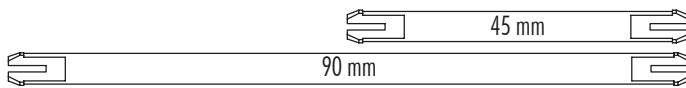
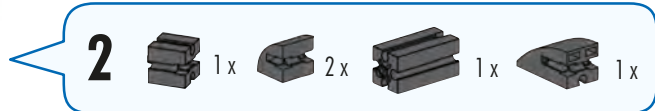
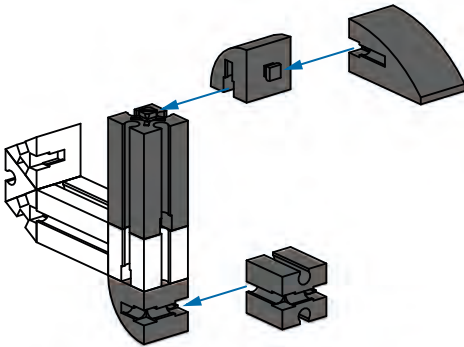
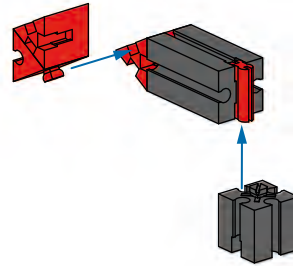
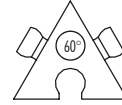
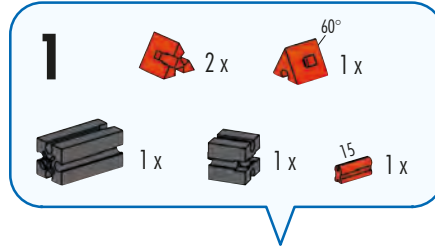
- Caso necessário, todas as peças individuais, especialmente peças móveis, tem que ser submetidas à manutenção e ser limpas.
- Se necessario, tutti i singoli componenti, soprattutto le parti mobili, si devono eventualmente sottoporre a manutenzione e pulizia.
- Все детали, особенно подвижные, требуют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







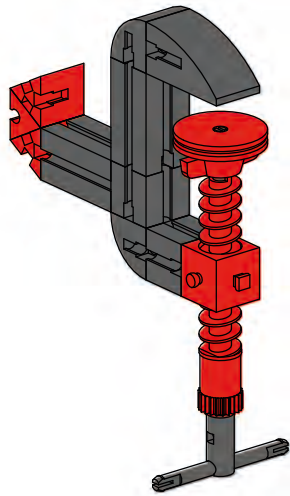
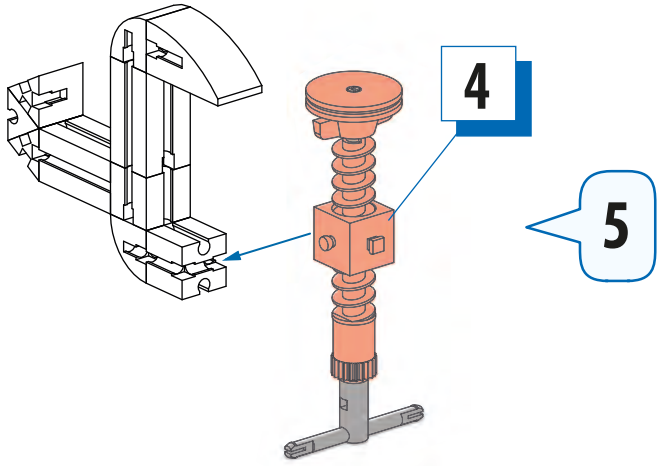
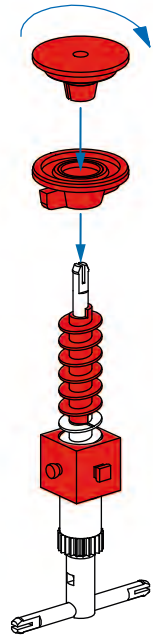
Headsethalter
Headset holder
Porte-casque

Hoofdtelefoonhouder
Soporte para auriculares
Supporte de auscultadores

Supporto per cuffie
Держатель гарнитуры
耳机支架



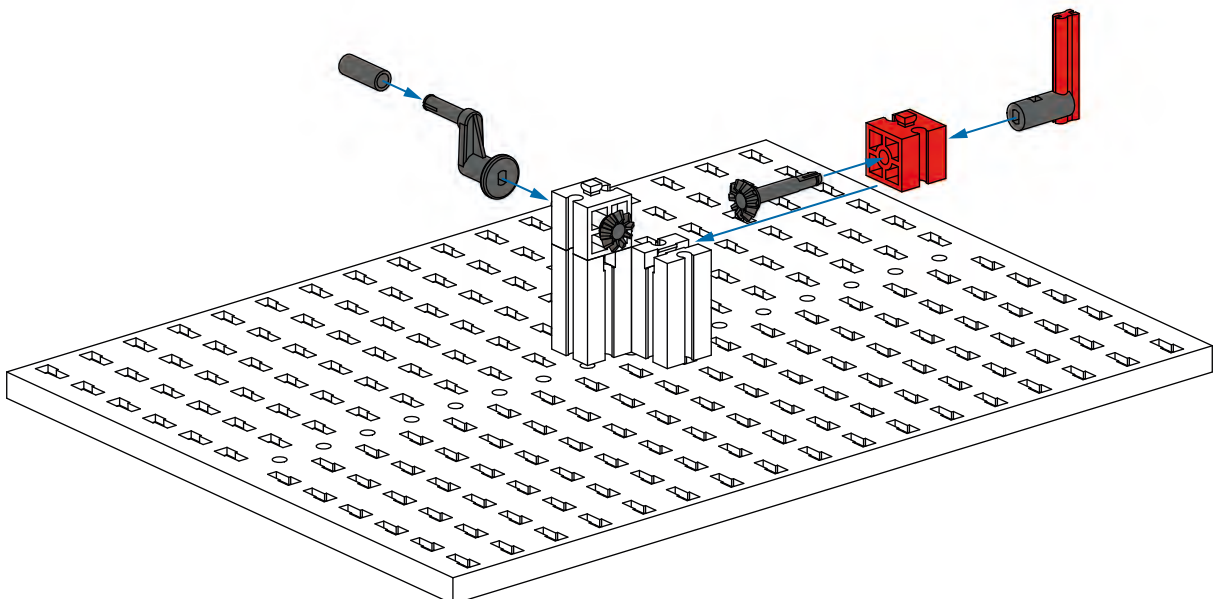
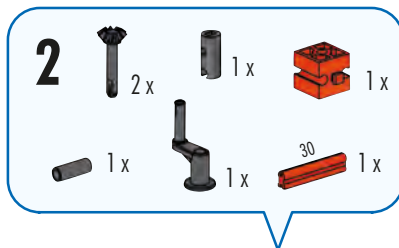
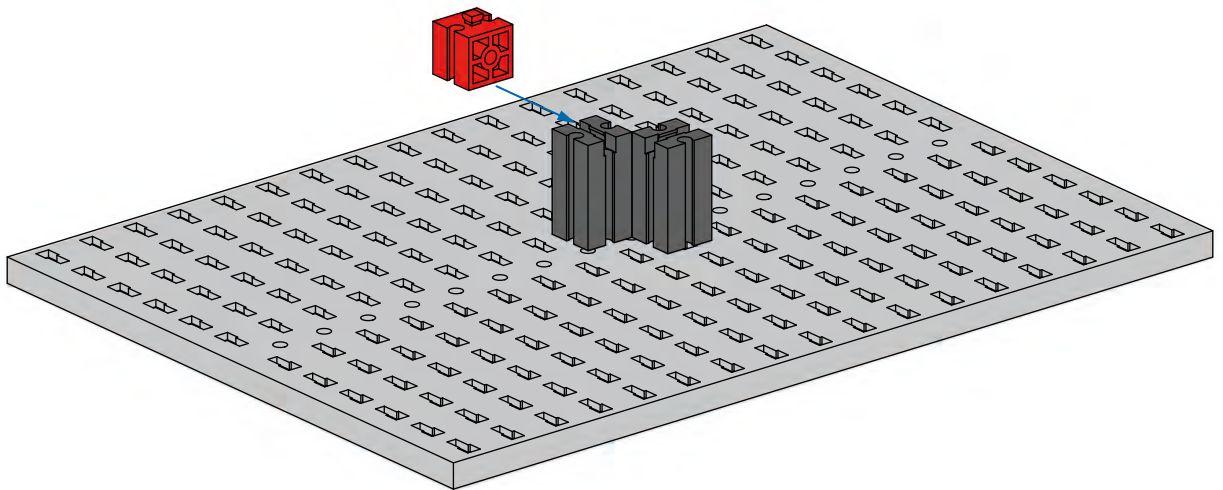
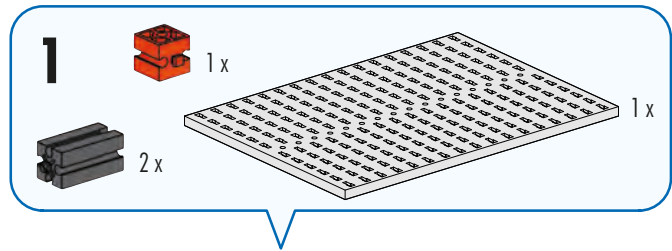
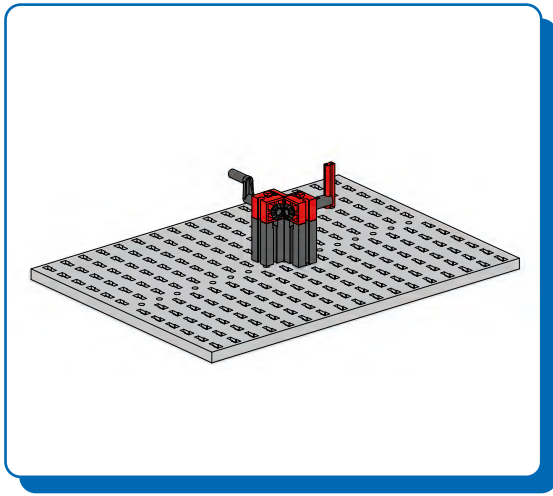
- 4**  1x  1x  1x  1x





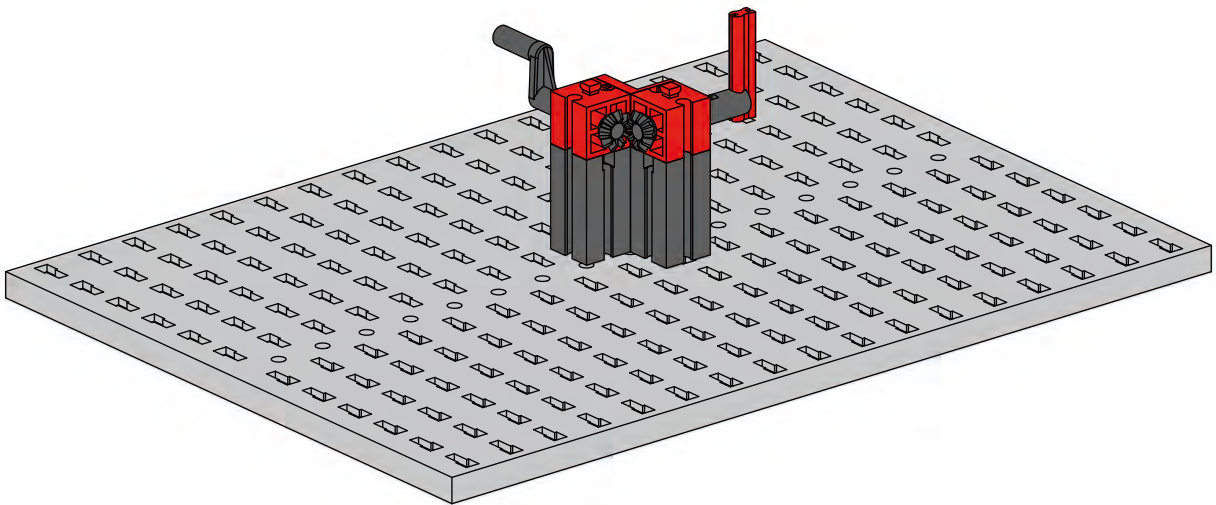
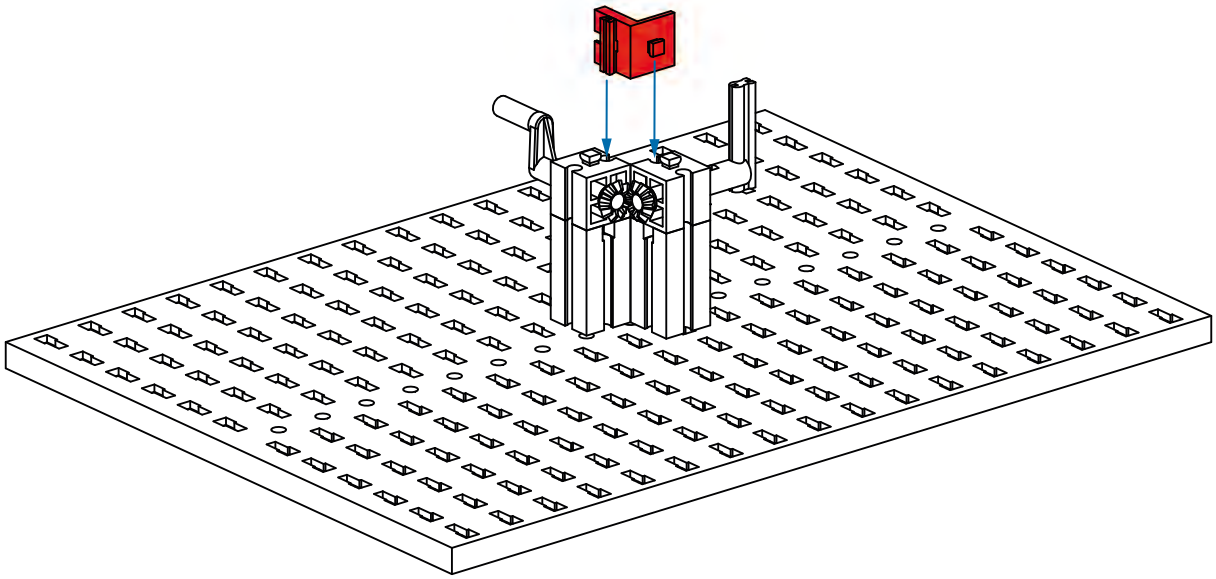
Winkelgetriebe
Angular gear
Réducteur d'angle

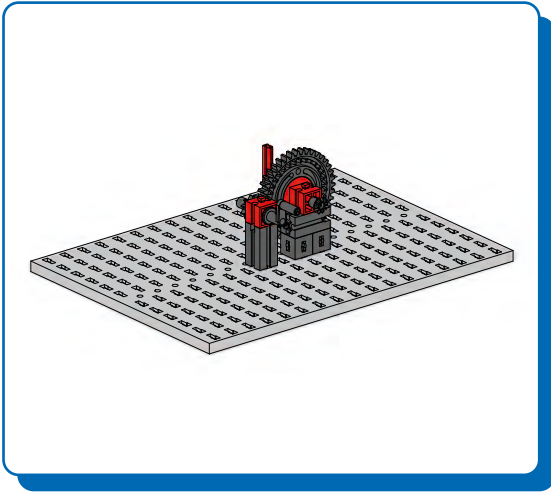
Hoekig tandwiel
Engranaje angular
Engrenagem angular

Ingranaggio angolare
Угловая передача
角形齿轮



3  1x  1x





4:1 Stirradgetriebe

4:1 Spur gear

4:1 Réducteur à engrenages cylindriques

4:1 Tandwiel

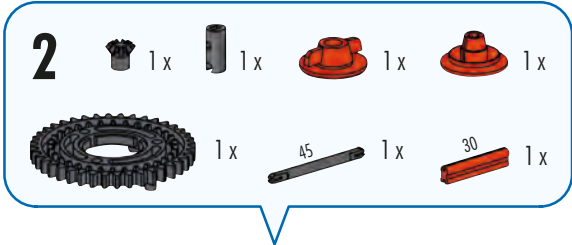
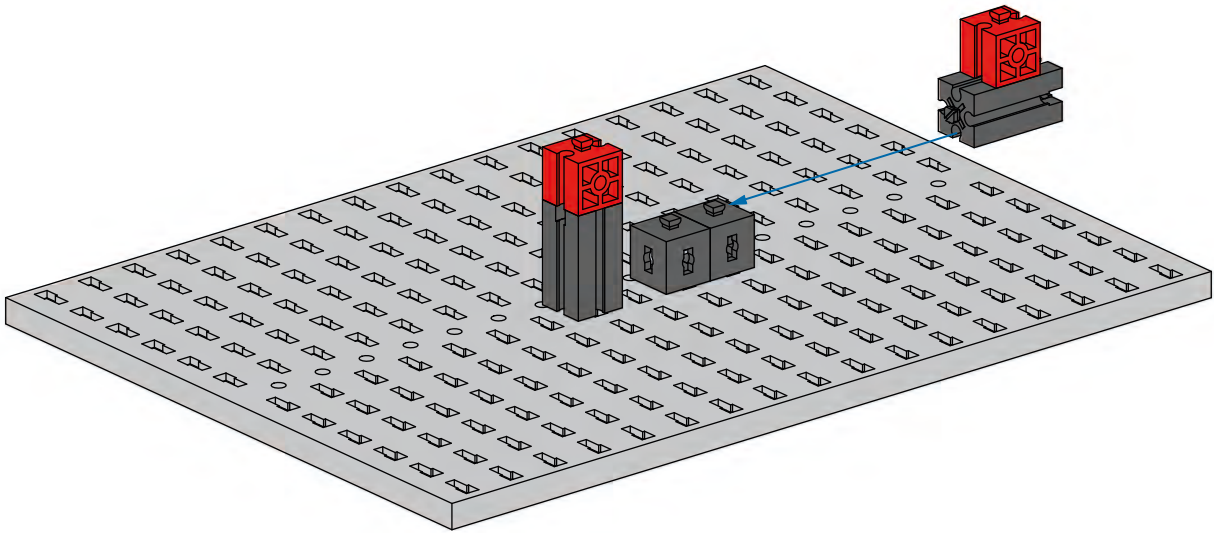
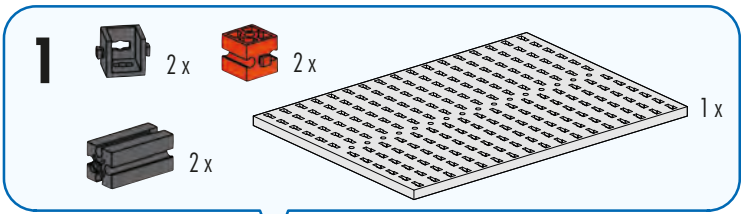
4:1 Engranaje recto

4:1 Equipamento de engrenajes esporão

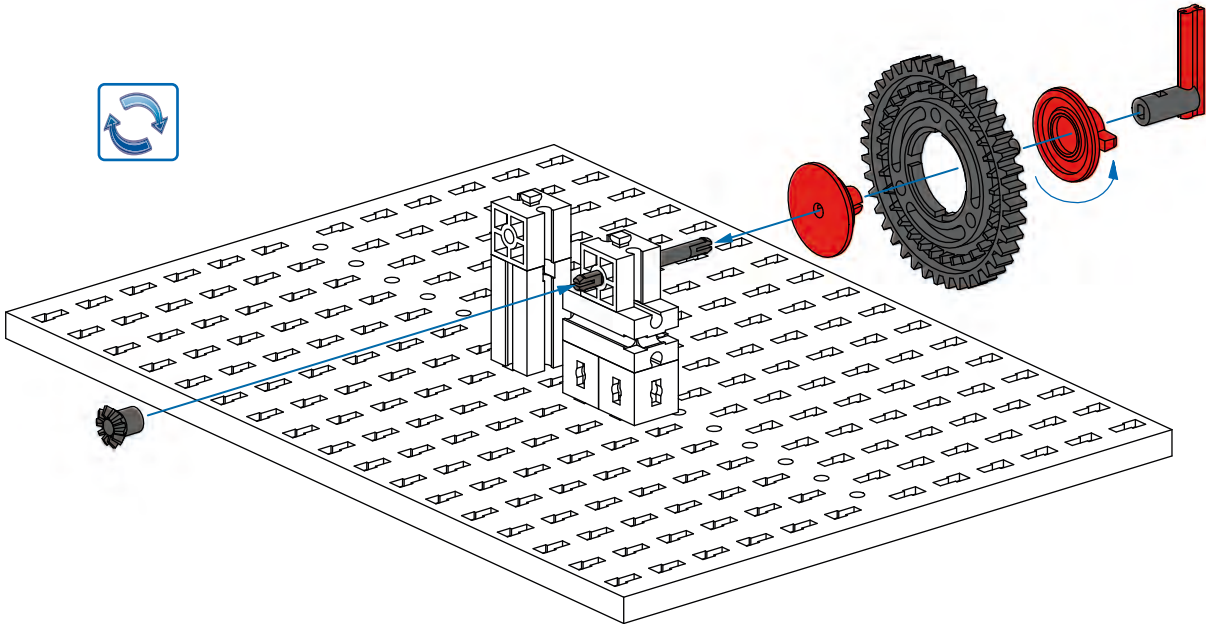
4:1 Ingranaggio cilindrico

4:1 Прямозубая шестерня

4:1 正齿轮

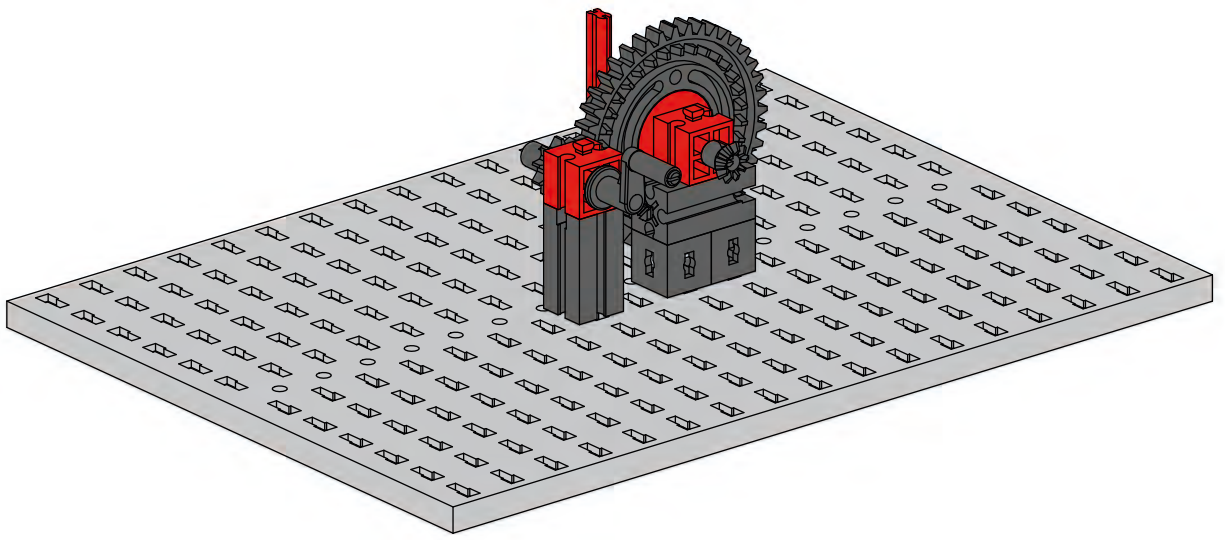
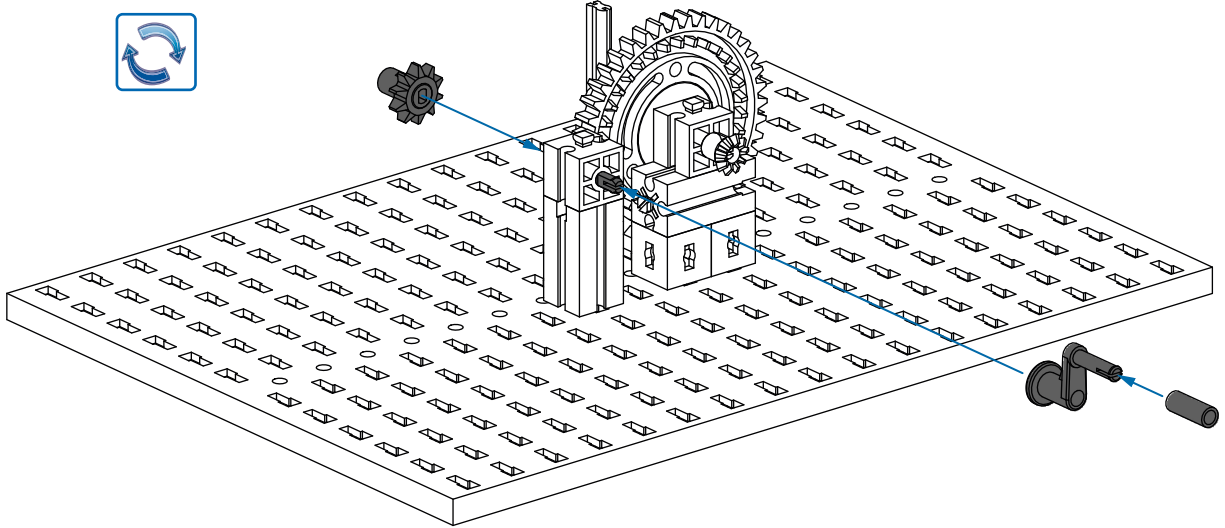
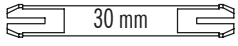


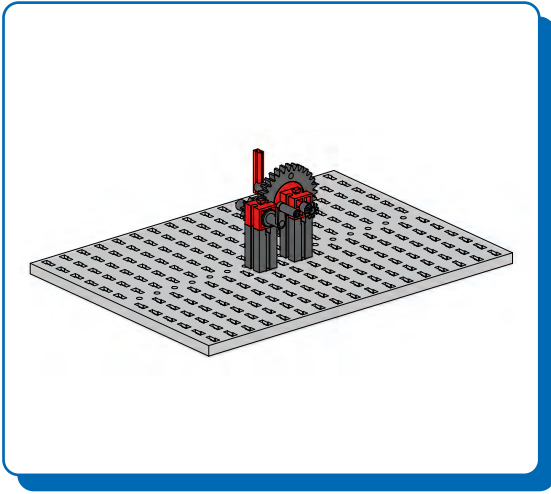
45 mm



3

- 1x [Pin]
- 1x [Pin 30]
- 1x [Pin with Friction Ridge]
- 1x [L-shaped Pin]





3:1 Stirnradgetriebe

3:1 Spur gear

3:1 Réducteur à engrenages cylindriques

3:1 Tandwiel

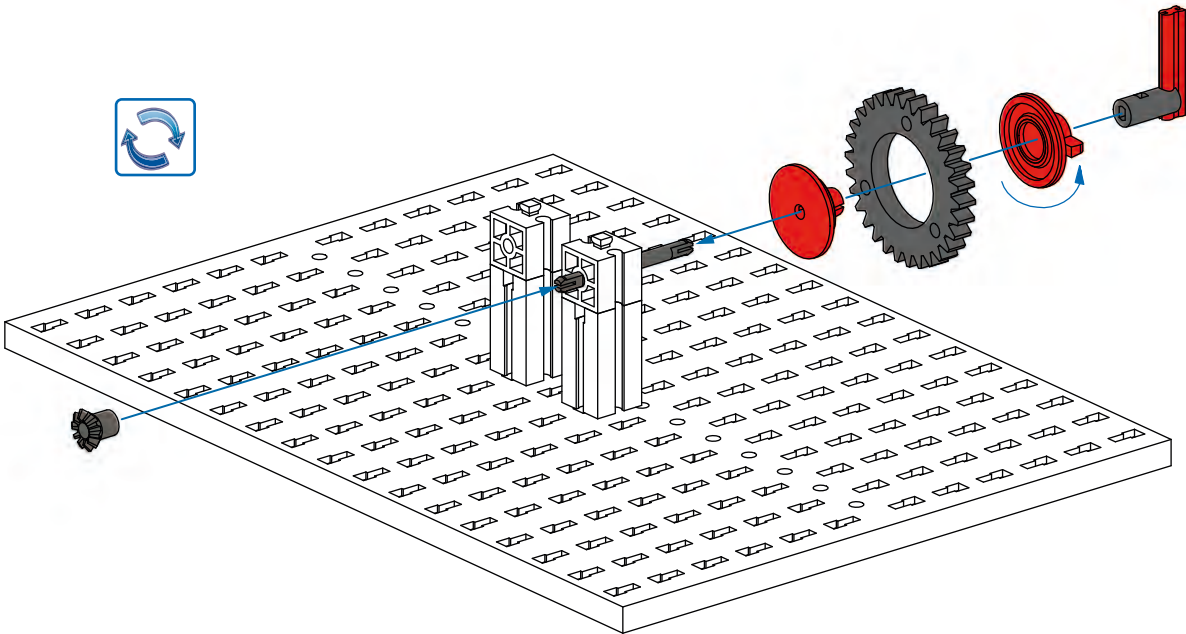
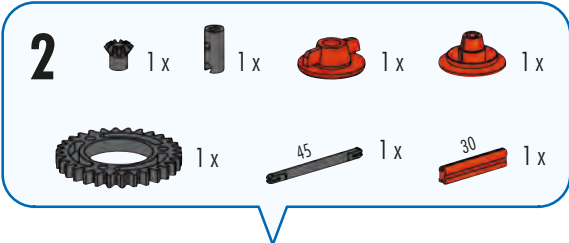
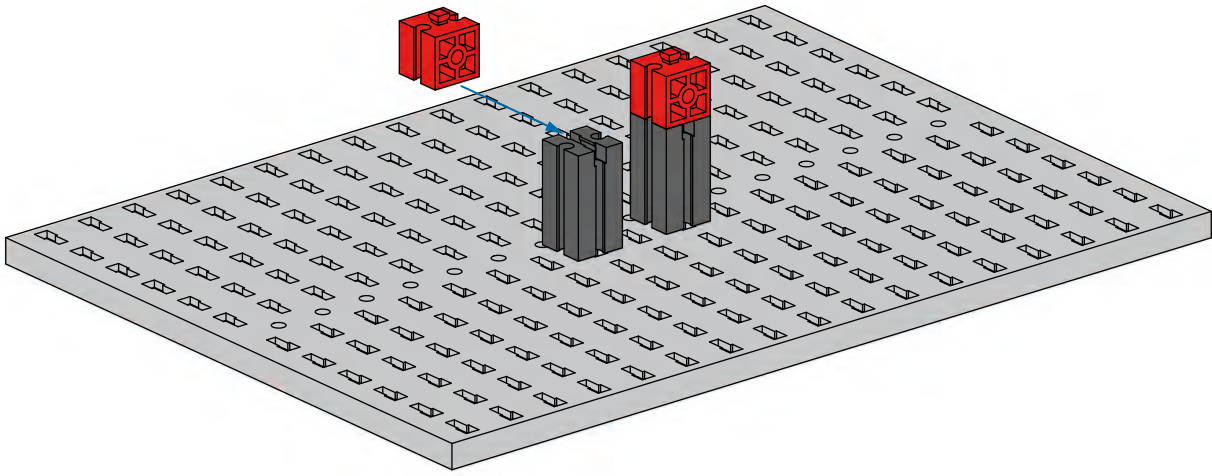
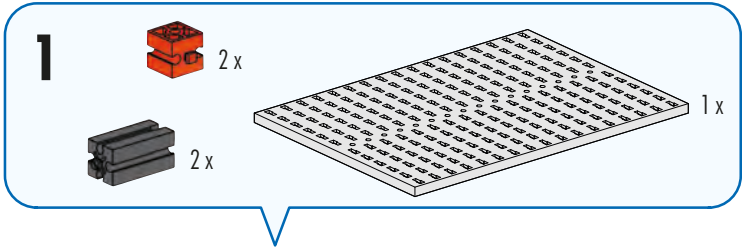
3:1 Engranaje recto

3:1 Equipamento de engrenação

3:1 Ingranaggio cilindrico

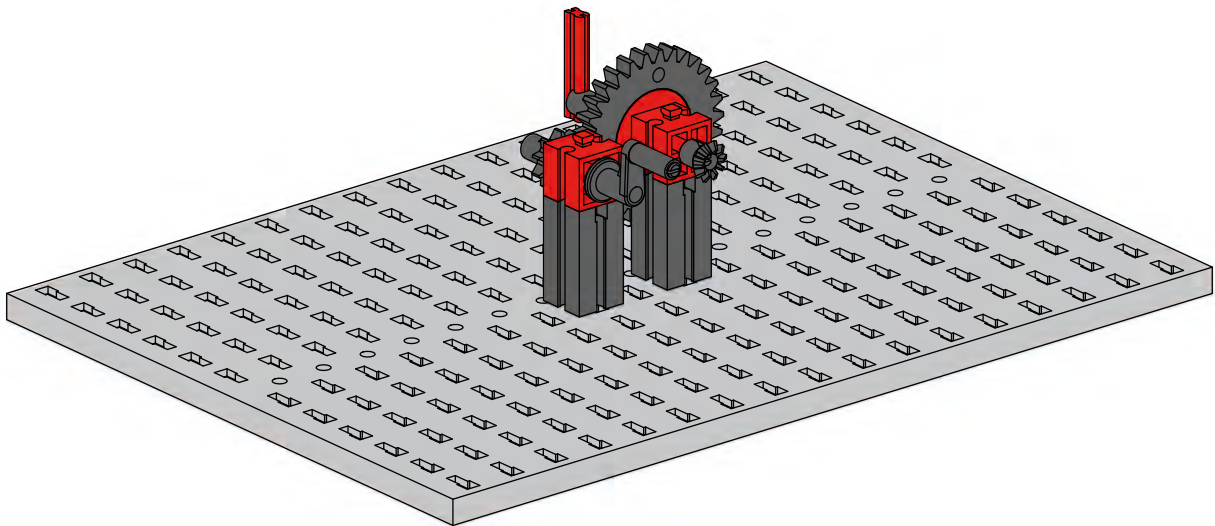
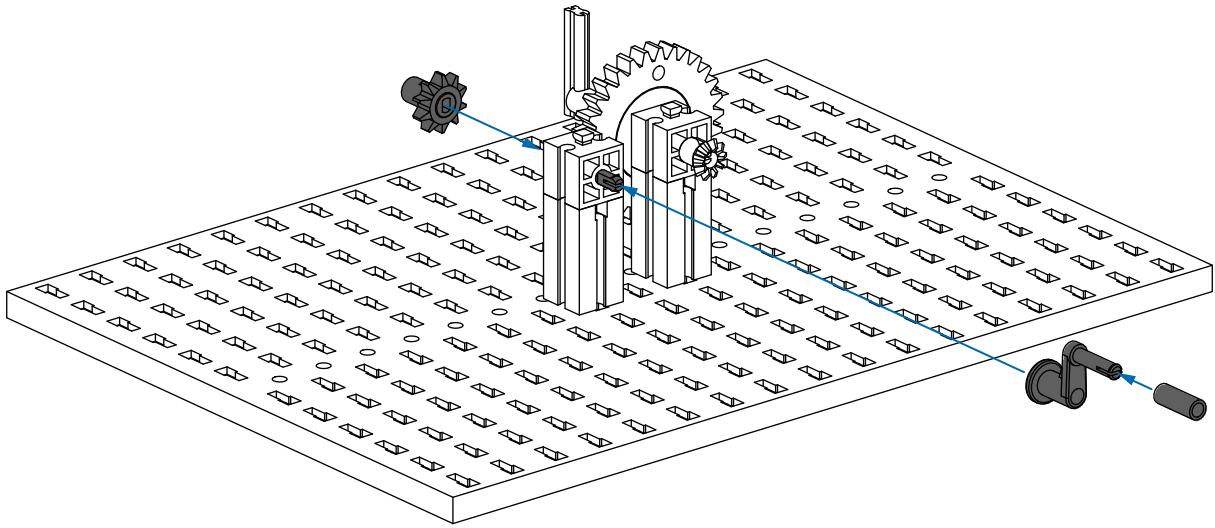
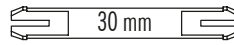
3:1 Прямозубая шестерня

3:1 正齿轮



3

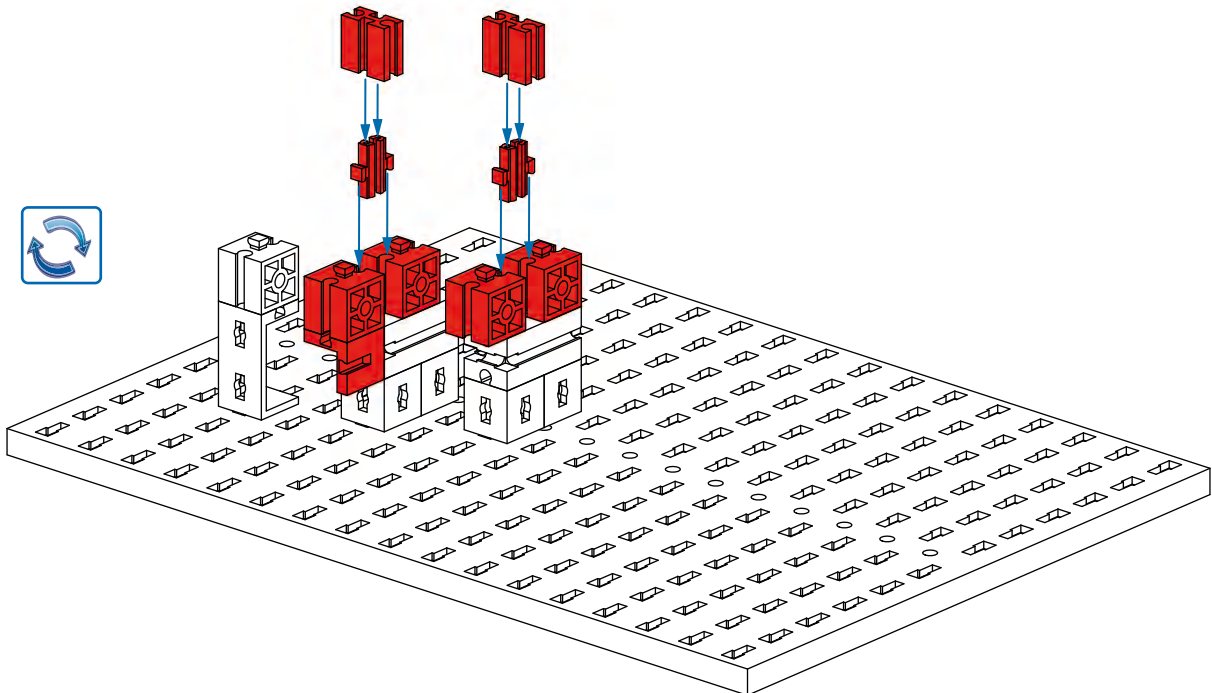
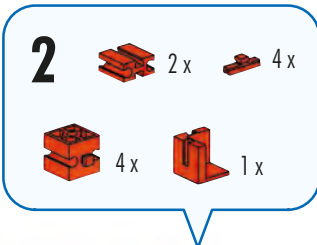
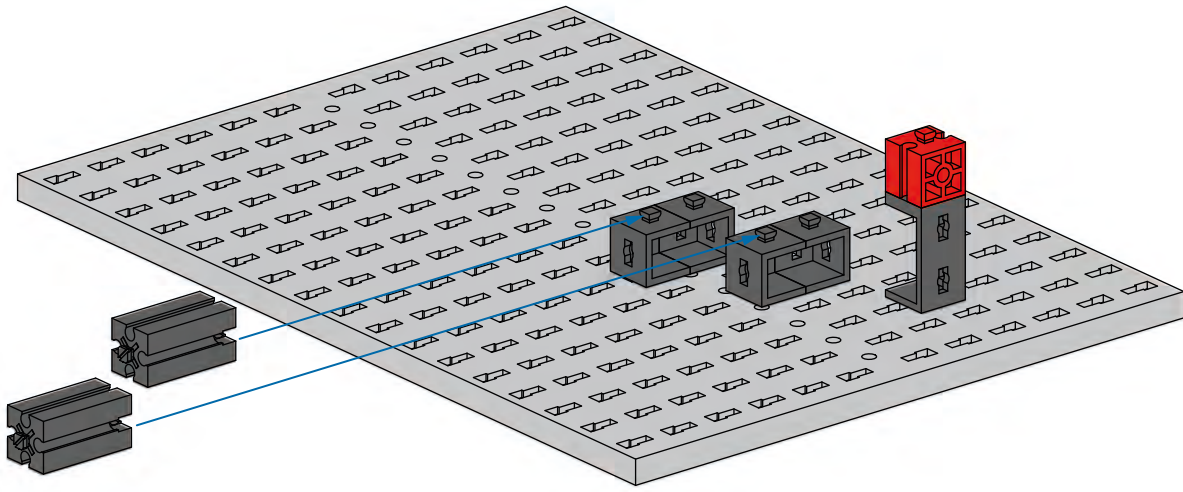
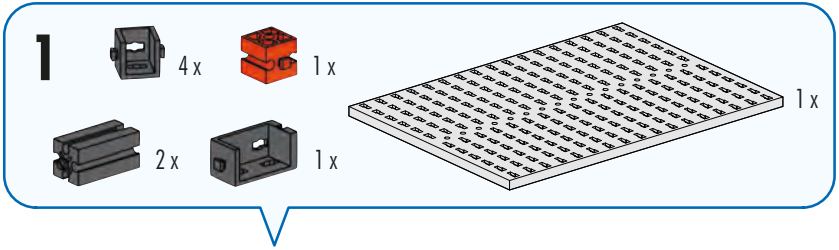
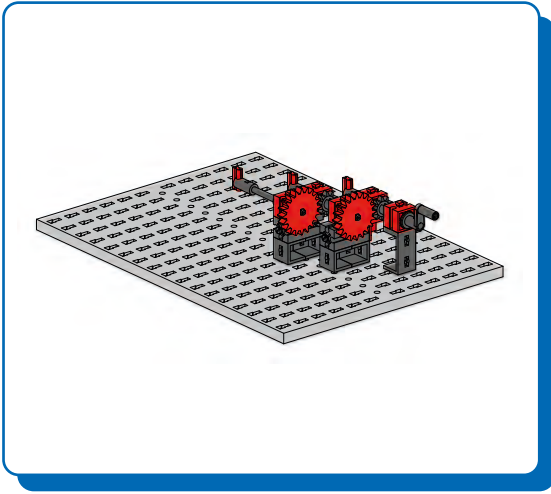
- 1 x [Pin]
- 30 1 x [Pin]
- 1 x [Pin]
- 1 x [Pin]



zweistufiges Stirnradgetriebe
two-stage spur gear
réducteur à engrenages
cylindriques à deux étages
tweetraps tandwiel

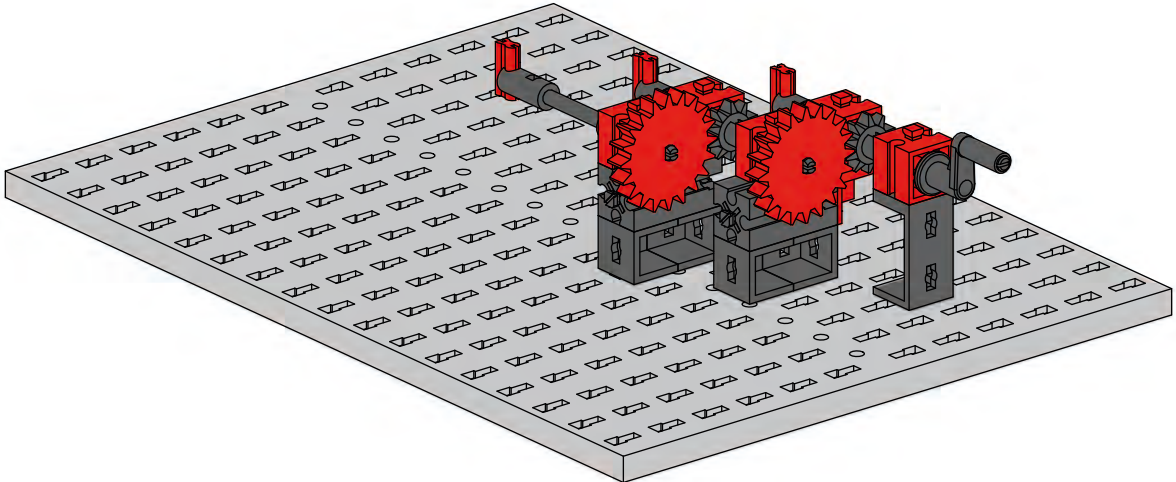
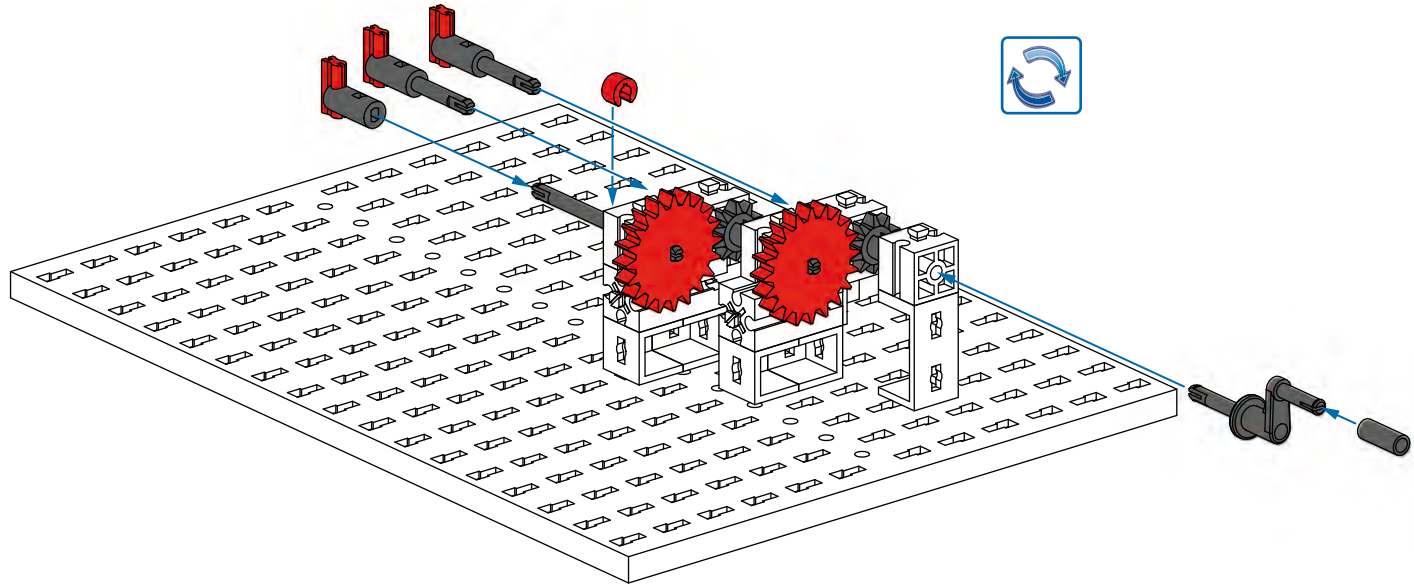
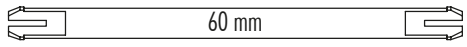
engranaje recto de dos etapas
engrenagem de esporão de
dois estágios
ingranaggio cilindrico a due
stadi

двухступенчатая
цилиндрическая
передача
两级正齿轮



3

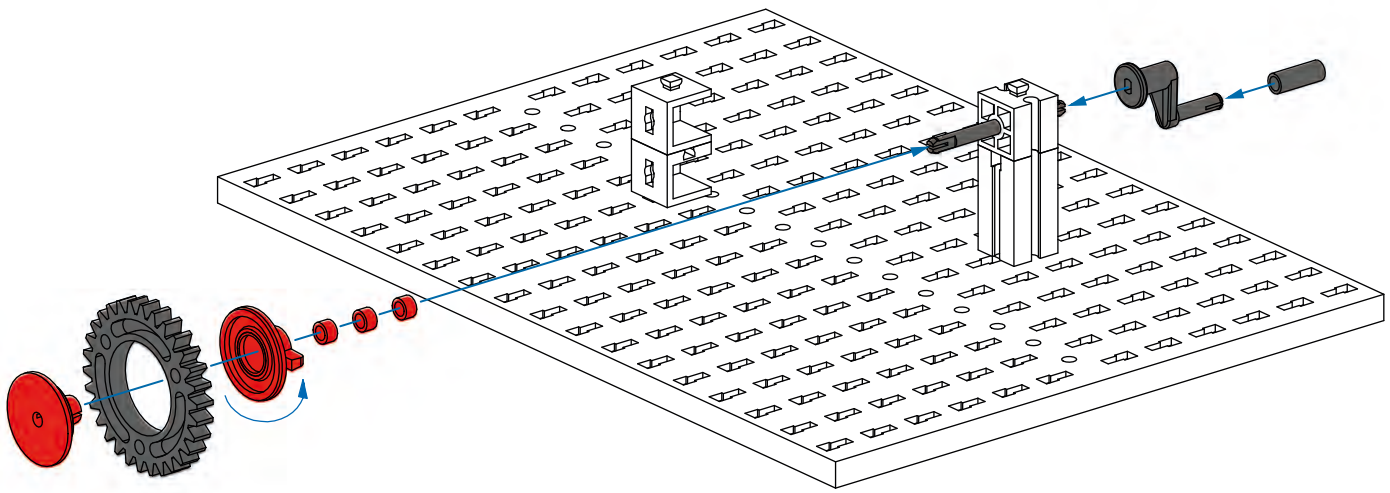
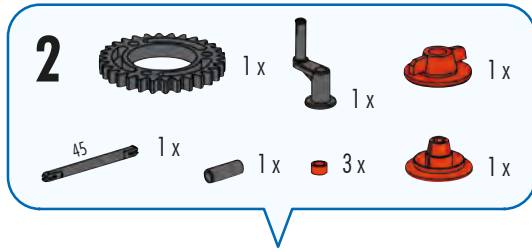
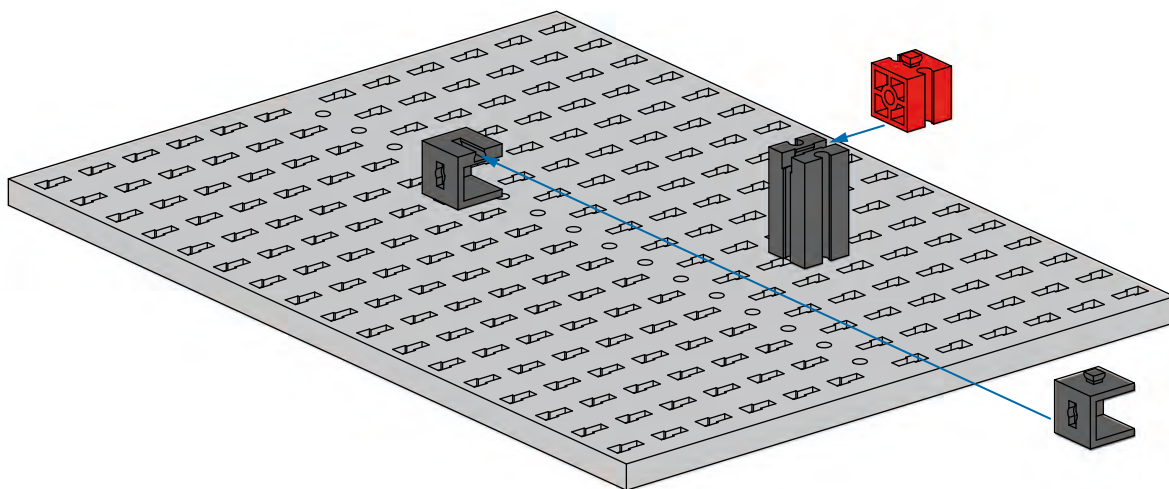
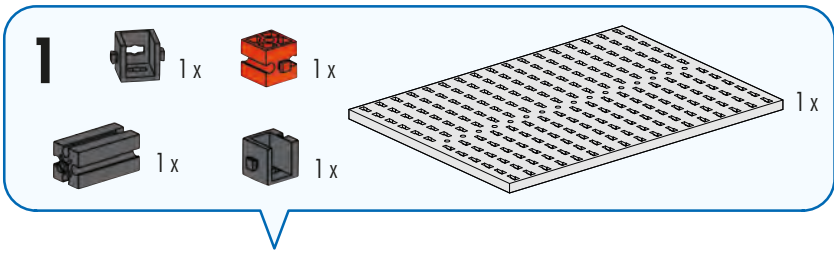
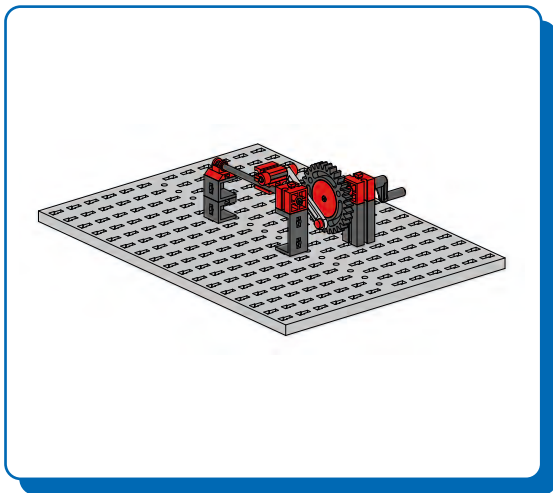
- 1 x [Grey Pin]
- 4 x [Grey Pin 30]
- 3 x [Grey Pin]
- 3 x [Red Pin 15]
- 1 x [Red Pin]
- 2 x [Grey Pin]
- 1 x [Grey Pin]
- 1 x [Grey Pin 60]
- 2 x [Red Gear]






Schubkurbel
Push crank
Manivelle de poussée

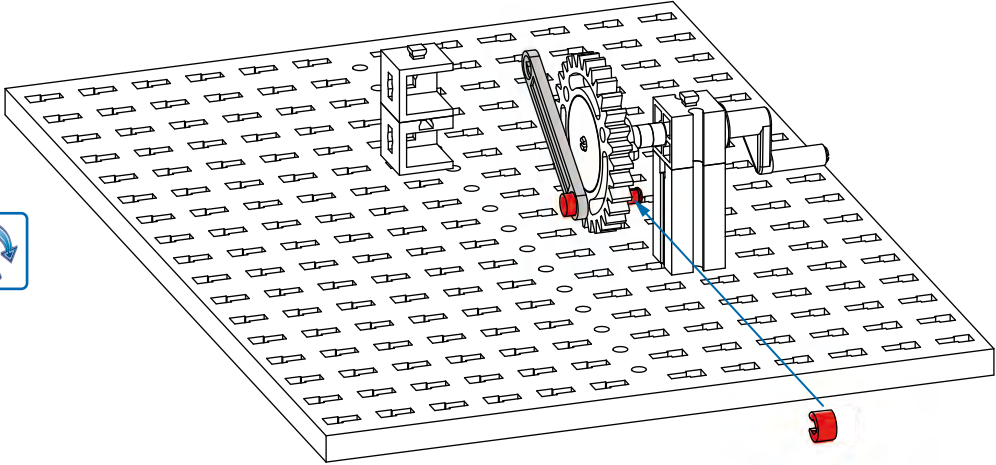
Duwkruk
Manivela de empuje
Manivela de empujar

Manovella di spinta
 Нажимная рукоятка
 推动曲柄









3

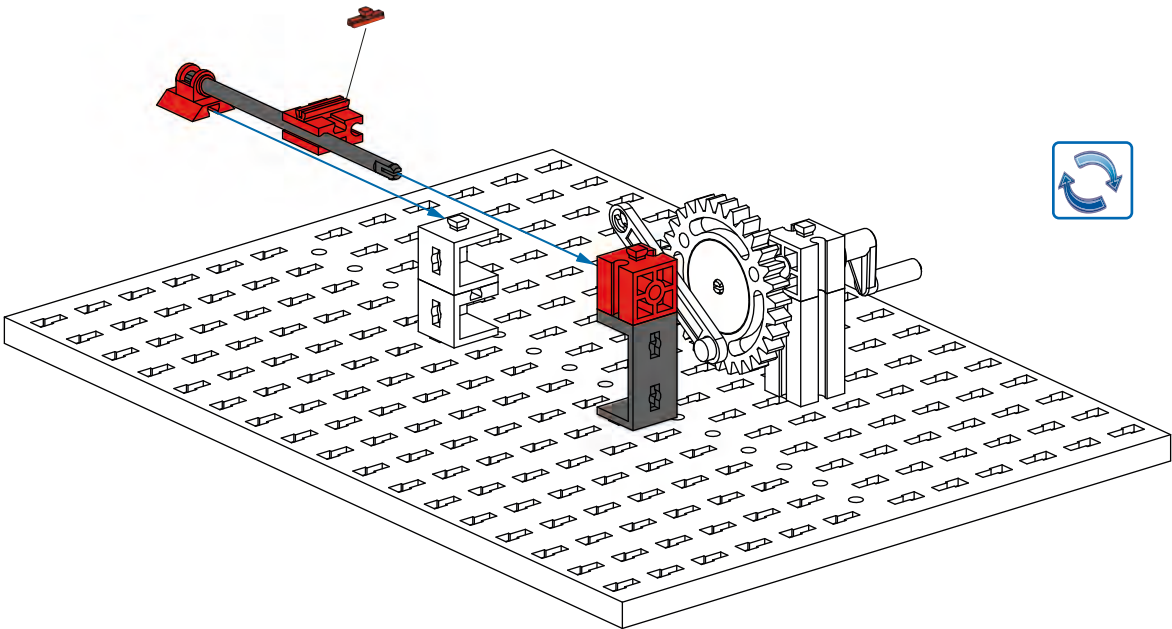
- 1x 
- 1x 
- 1x 



90 mm




4

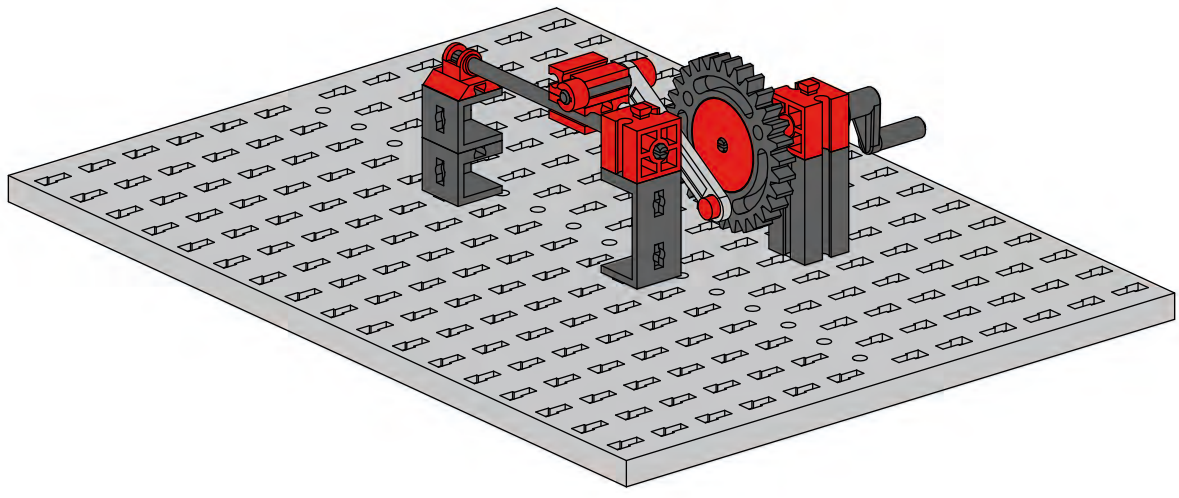
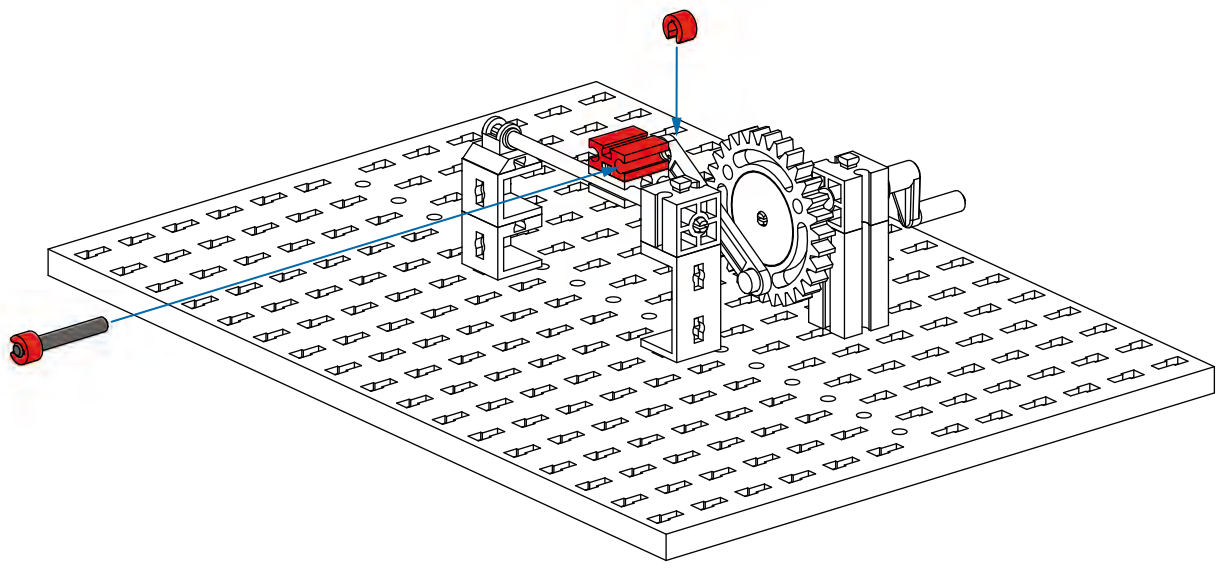
- 1x 
- 1x 
- 1x 
- 1x 
- 1x 
- 1x 



30 mm

5

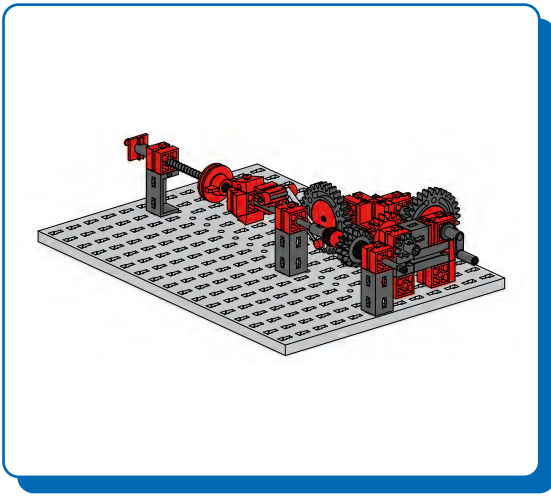
-  2 x
-  30 1 x
-  1 x







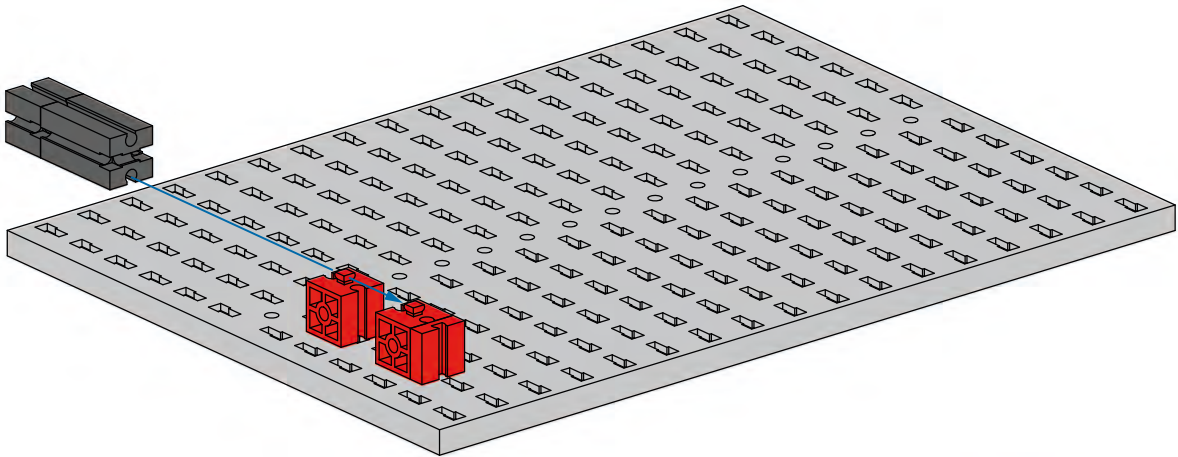
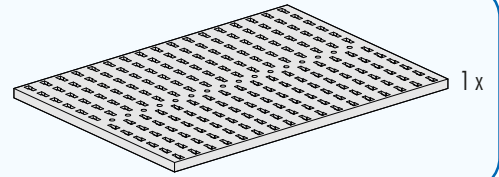
Bohrhammer
Hammer drill
Marteau perforateur





Hamerboor
Martillo perforador
Martelo perforador

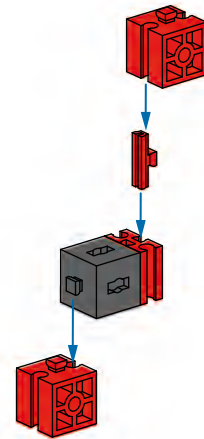
Trapano a percussione
 Дрель с молотком
 锤钻



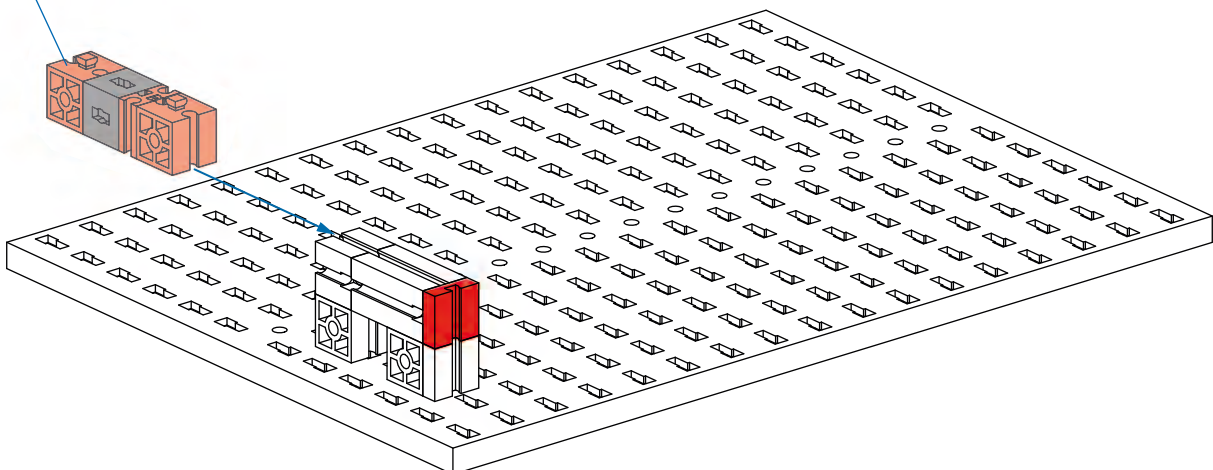
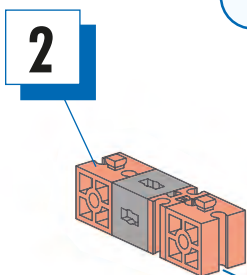
- 1**
-  1x
 -  2x
 -  1x
 -  1x



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



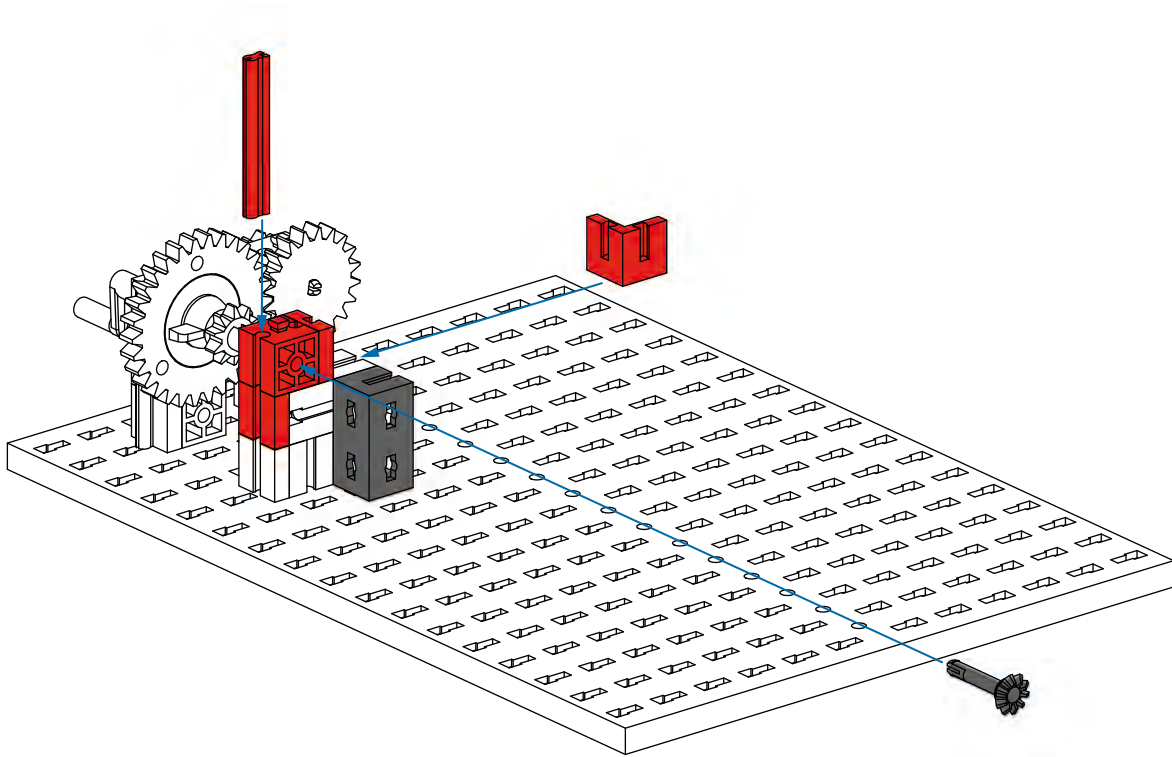
- 3**
-  1x



6

2x 1x 1x 1x

1x 45 1x 1x

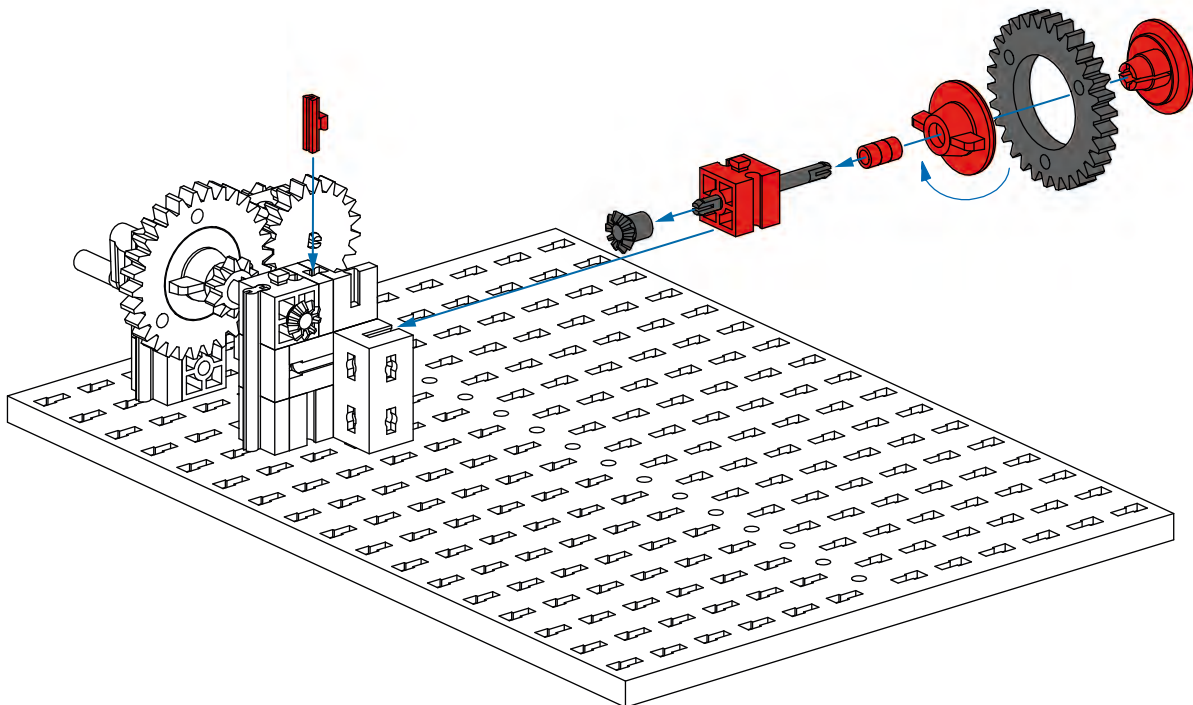


45 mm








7

1x 1x 1x 3x

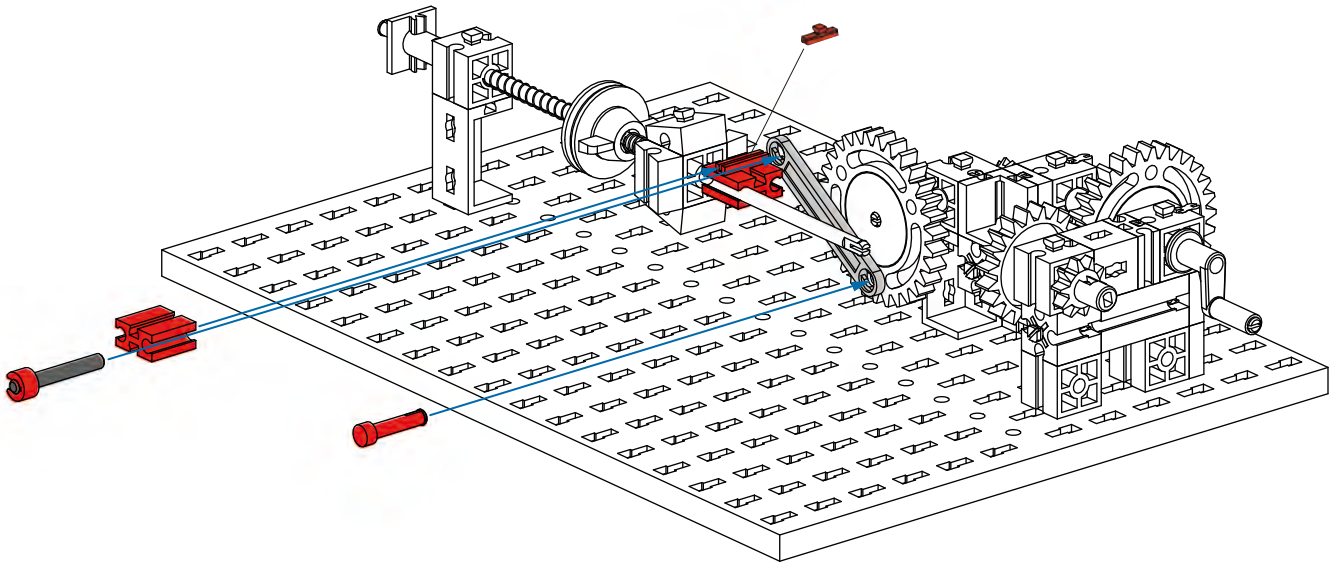
1x 45 1x 1x 1x




11

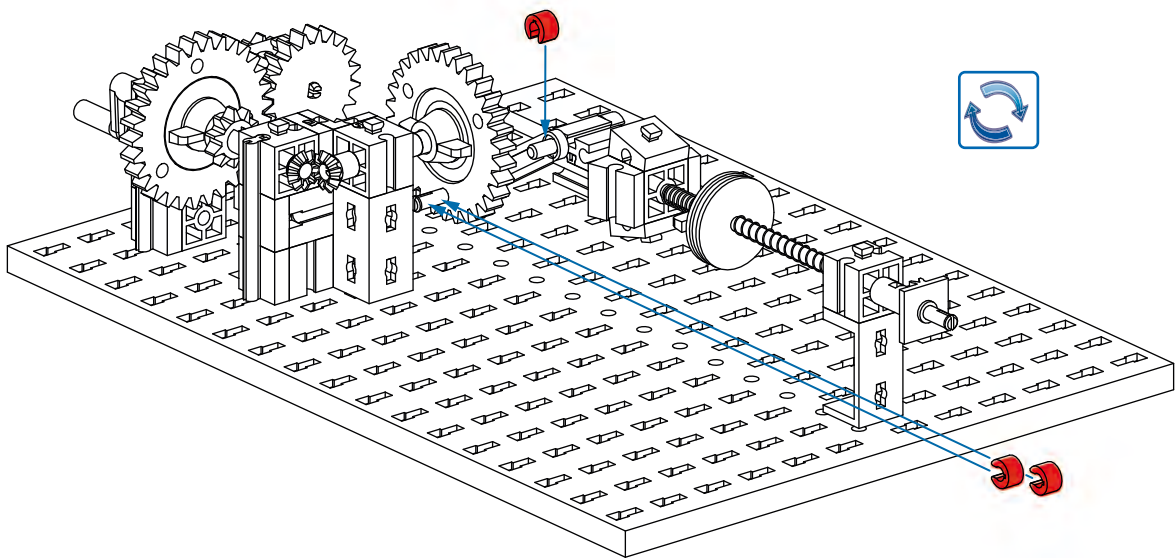
 30 1 x	 45 1 x
 2 x	 1 x
 1 x	 1 x
	 1 x

30 mm



12

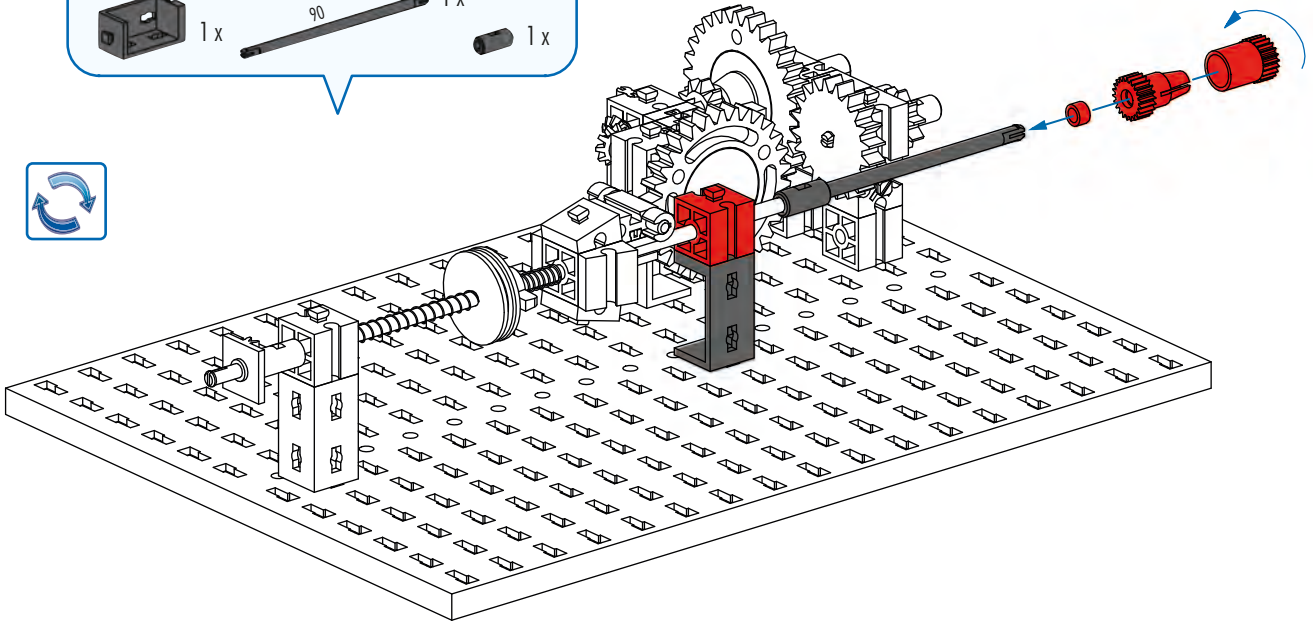
 3 x



13

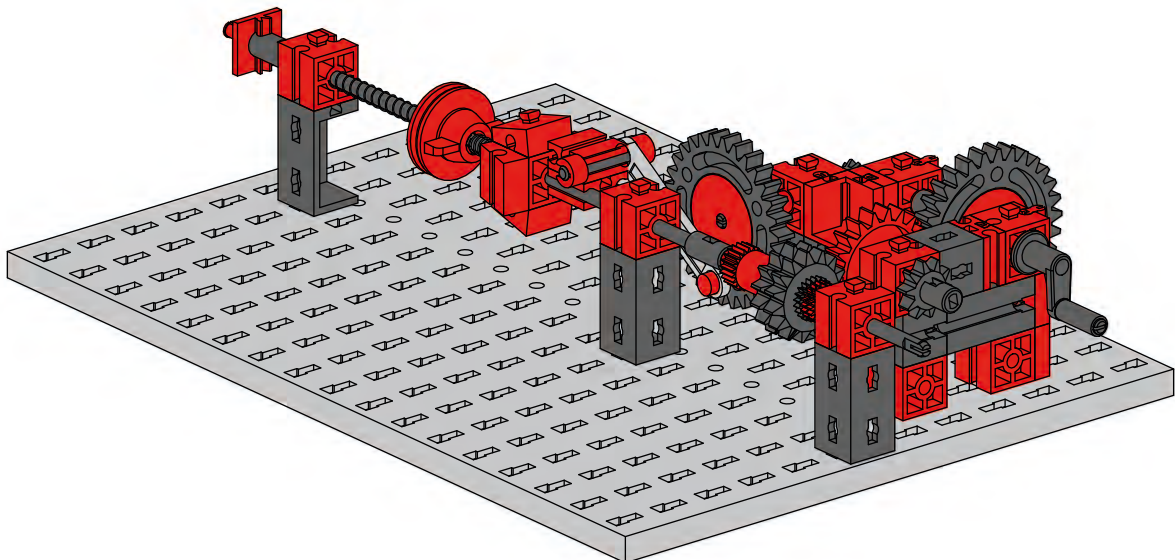
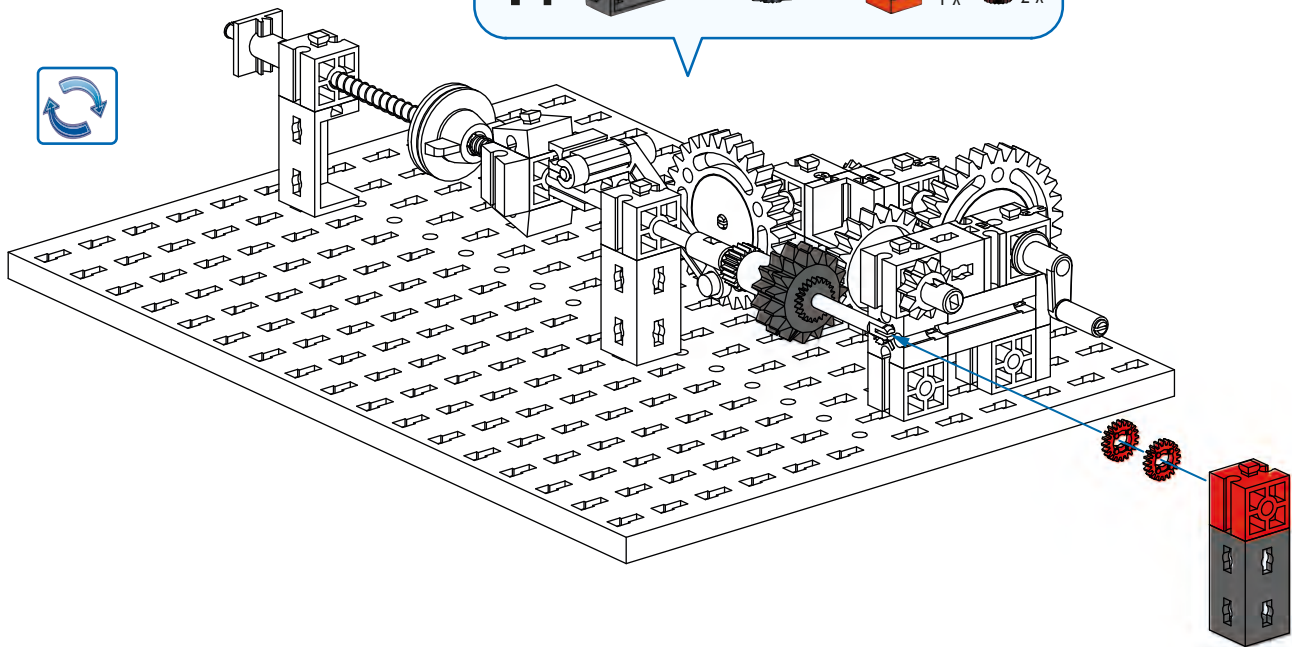
- 1x Red 1x2 Technic Brick
- 1x Red Technic Pin
- 1x Red Technic Pin
- 1x Red Technic Pin
- 1x Red Technic Pin
- 1x Grey Technic Axle
- 1x Grey Technic Pin

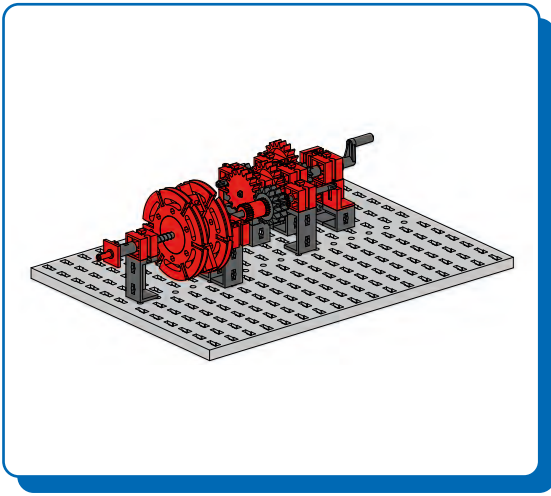
90 mm



14

- 1x Grey Technic Axle
- 2x Grey Technic Gear
- 1x Red 1x2 Technic Brick
- 2x Red Technic Pin

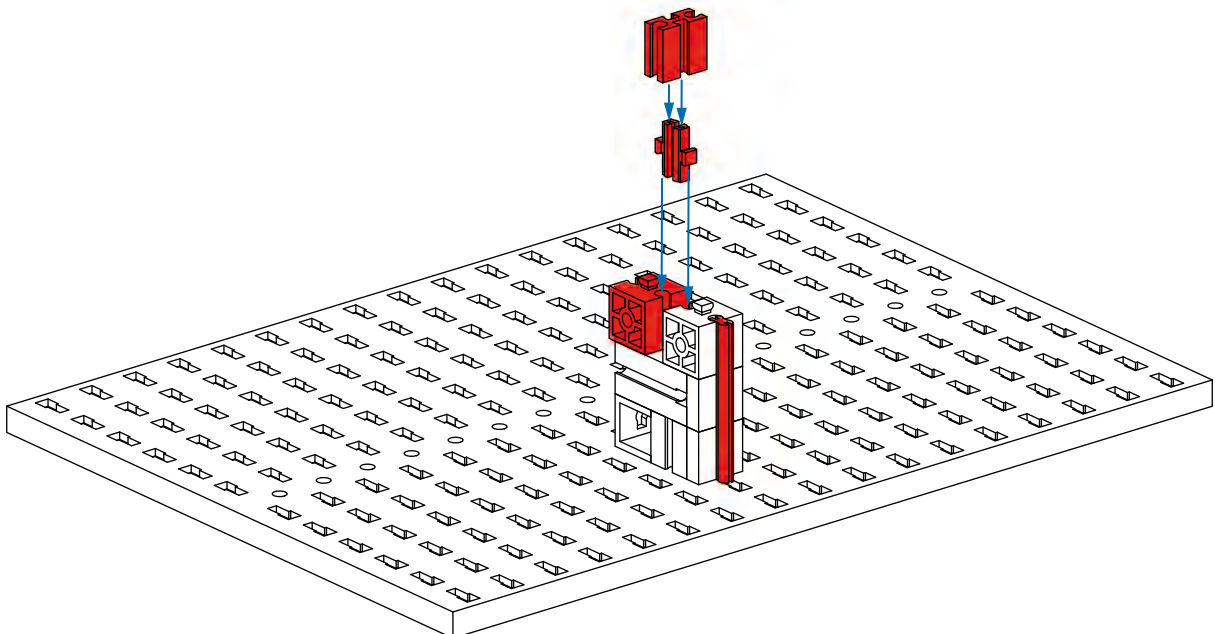
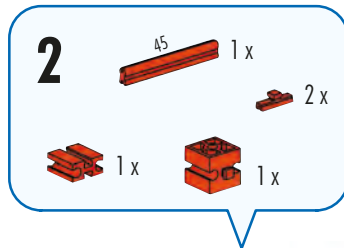
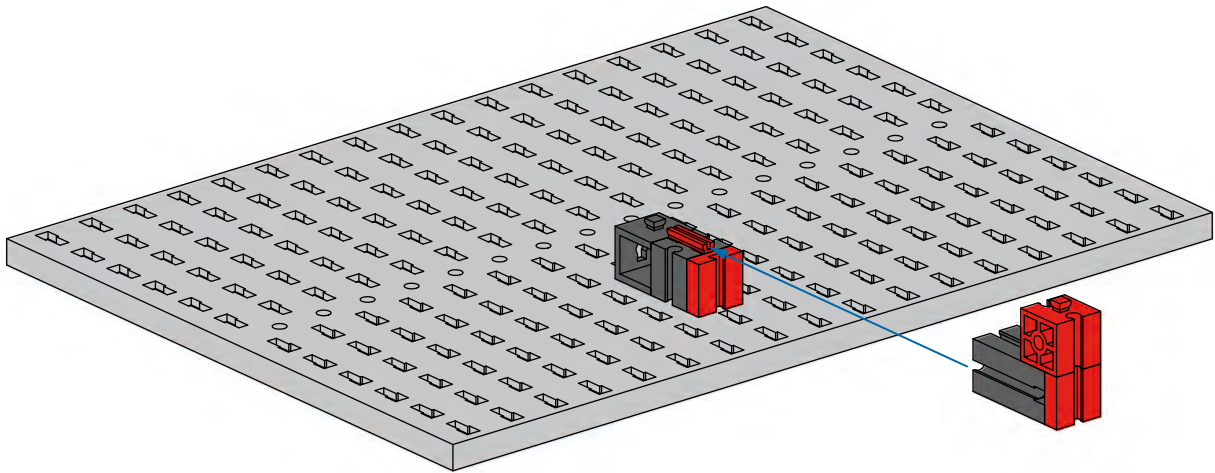
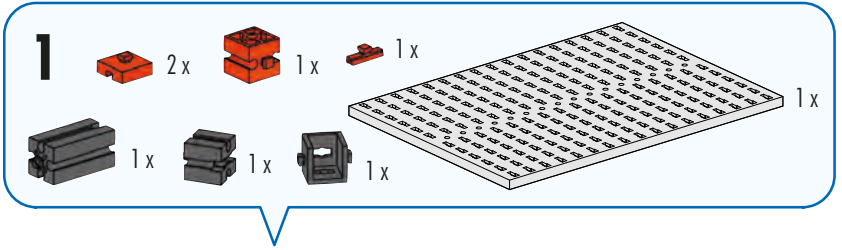




Schlagbohrer
Percussion drill
Perceuse à percussion

Slagboor
Taladro de percusión
Perfuratriz de percussão

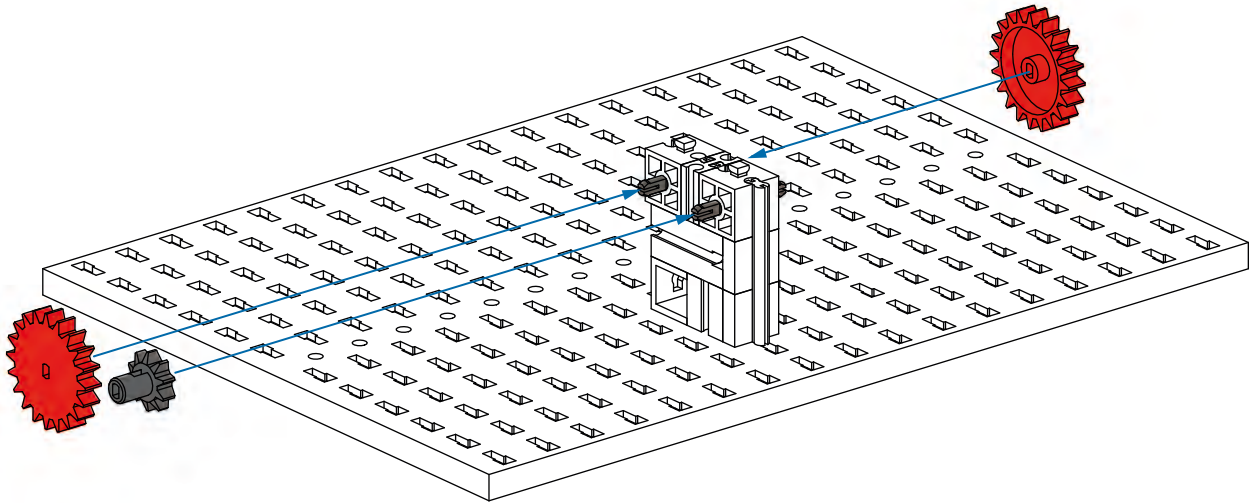
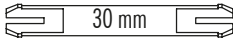
Trapano a percussione
Ударная дрель
敲击式钻头



3

30 2x

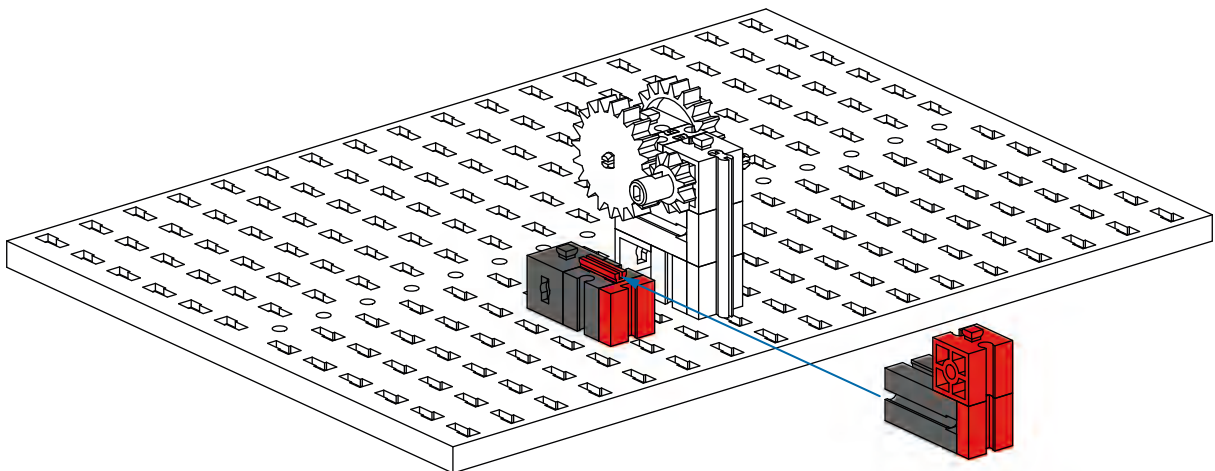
2x 1x



4

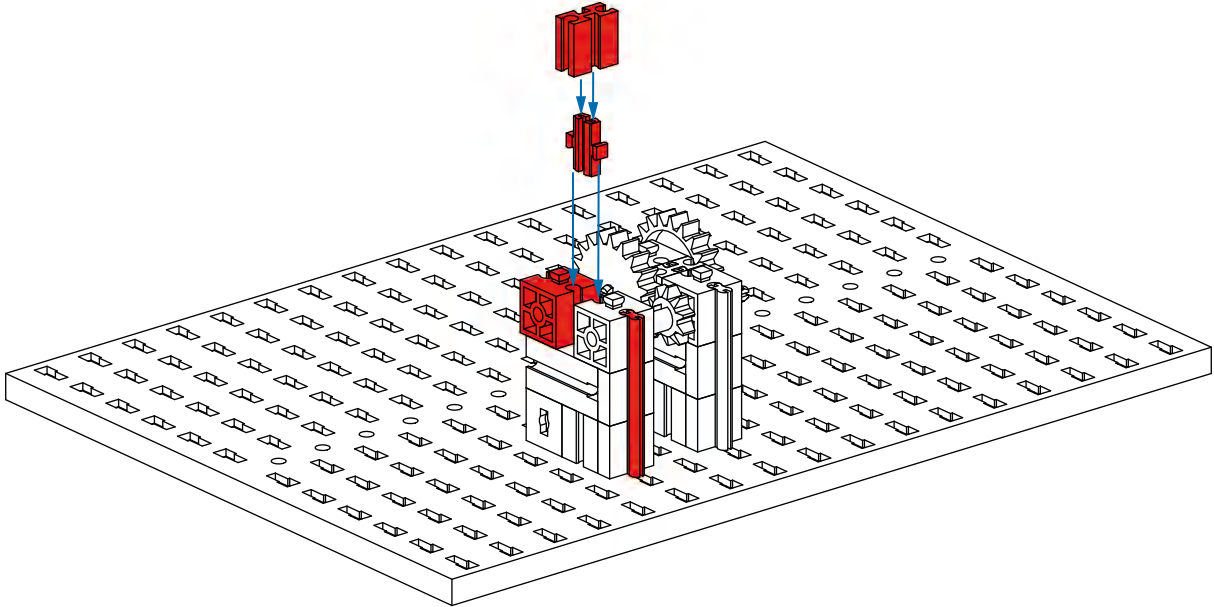
1x 2x 1x

1x 1x 1x



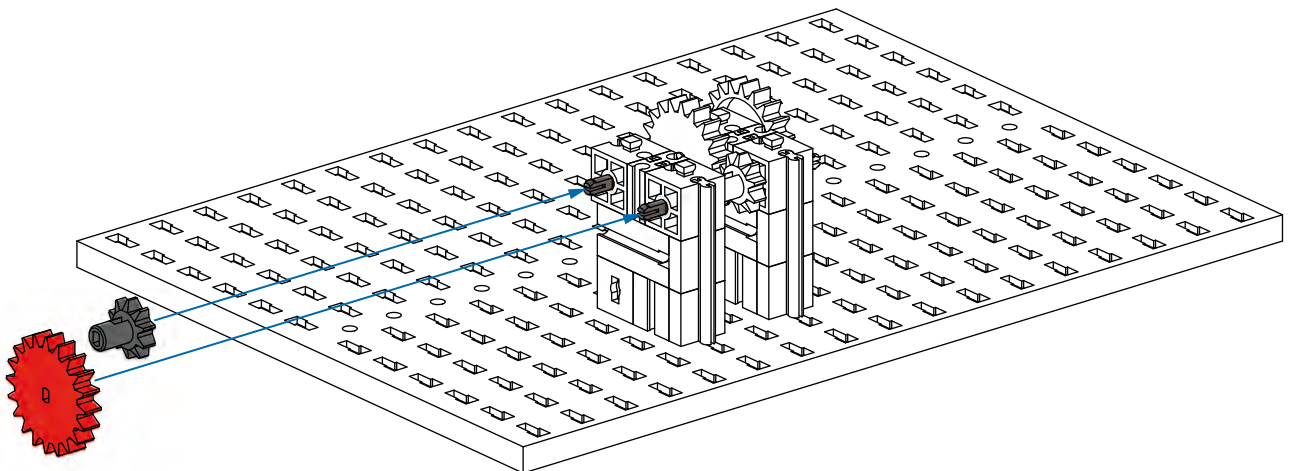
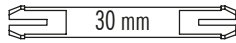
5

- 45 1 x
- 2 x
- 1 x
- 1 x

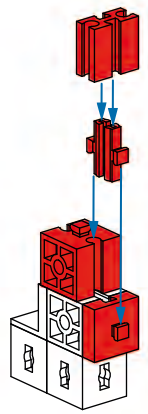
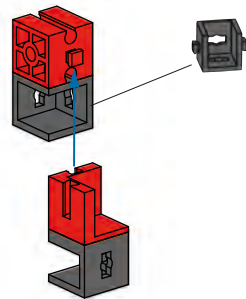


6

- 30 2 x
- 1 x
- 1 x



- 7**
- 1x [Grey Technic Pin]
 - 1x [Red Technic Pin]
 - 1x [Grey Technic Connector]
 - 1x [Red Technic Connector]

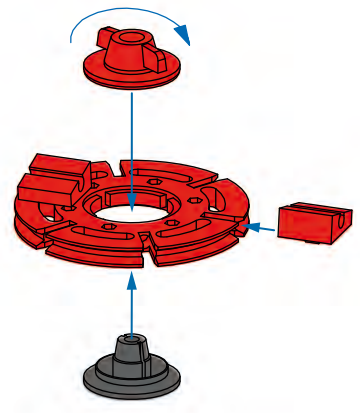
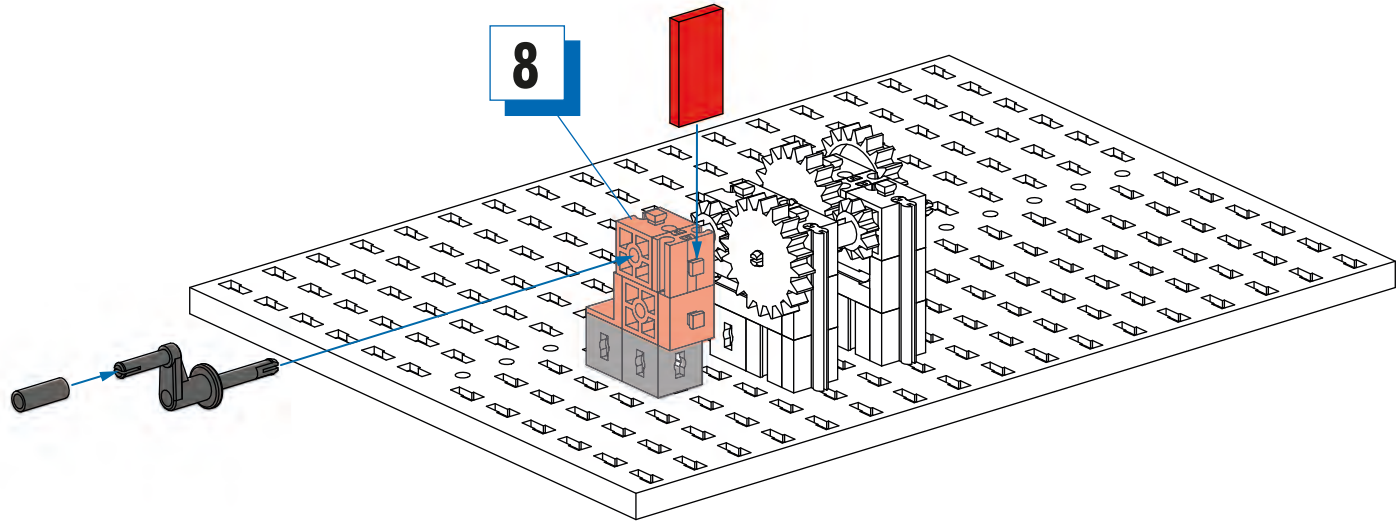


- 8**
- 1x [Red Technic Pin]
 - 2x [Red Technic Pin]
 - 1x [Red Technic Connector]
 - 1x [Red Technic Connector]

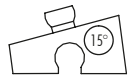
- 9**
- 1x [Grey Technic Pin]
 - 1x [Red Technic Pin]
 - 1x [Grey Technic Connector]
 - 1x [Grey Technic Connector]

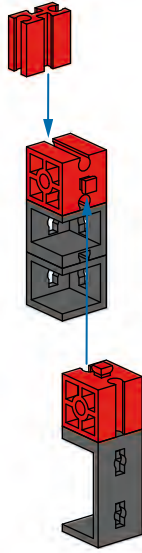


8



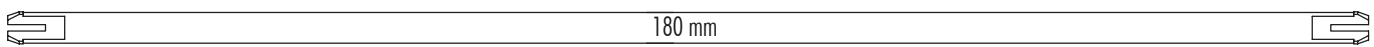
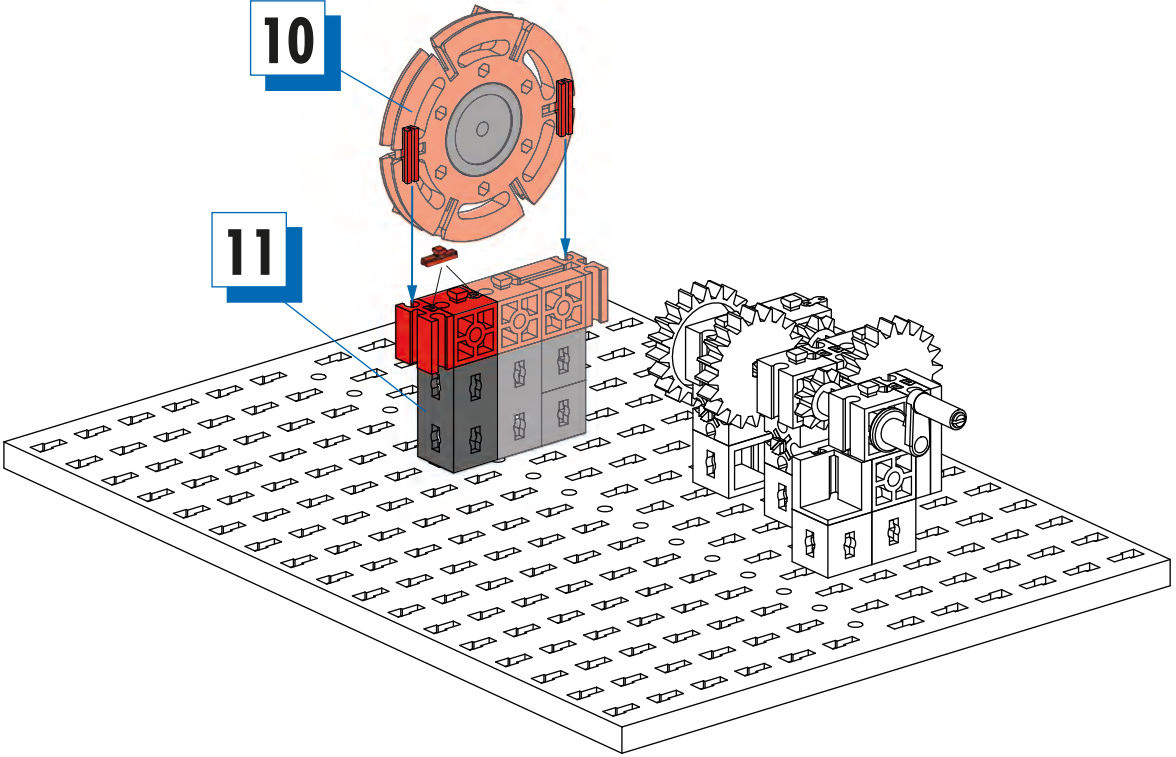
- 10**
- 1x [Red Technic Pin]
 - 1x [Grey Technic Pin]
 - 1x [Red Technic Ring]
 - 2x [Red Technic Pin]



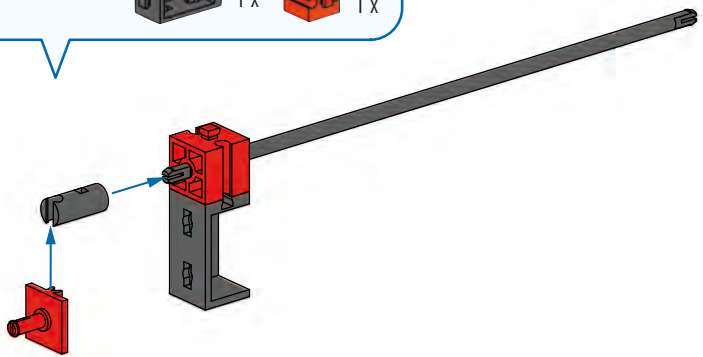


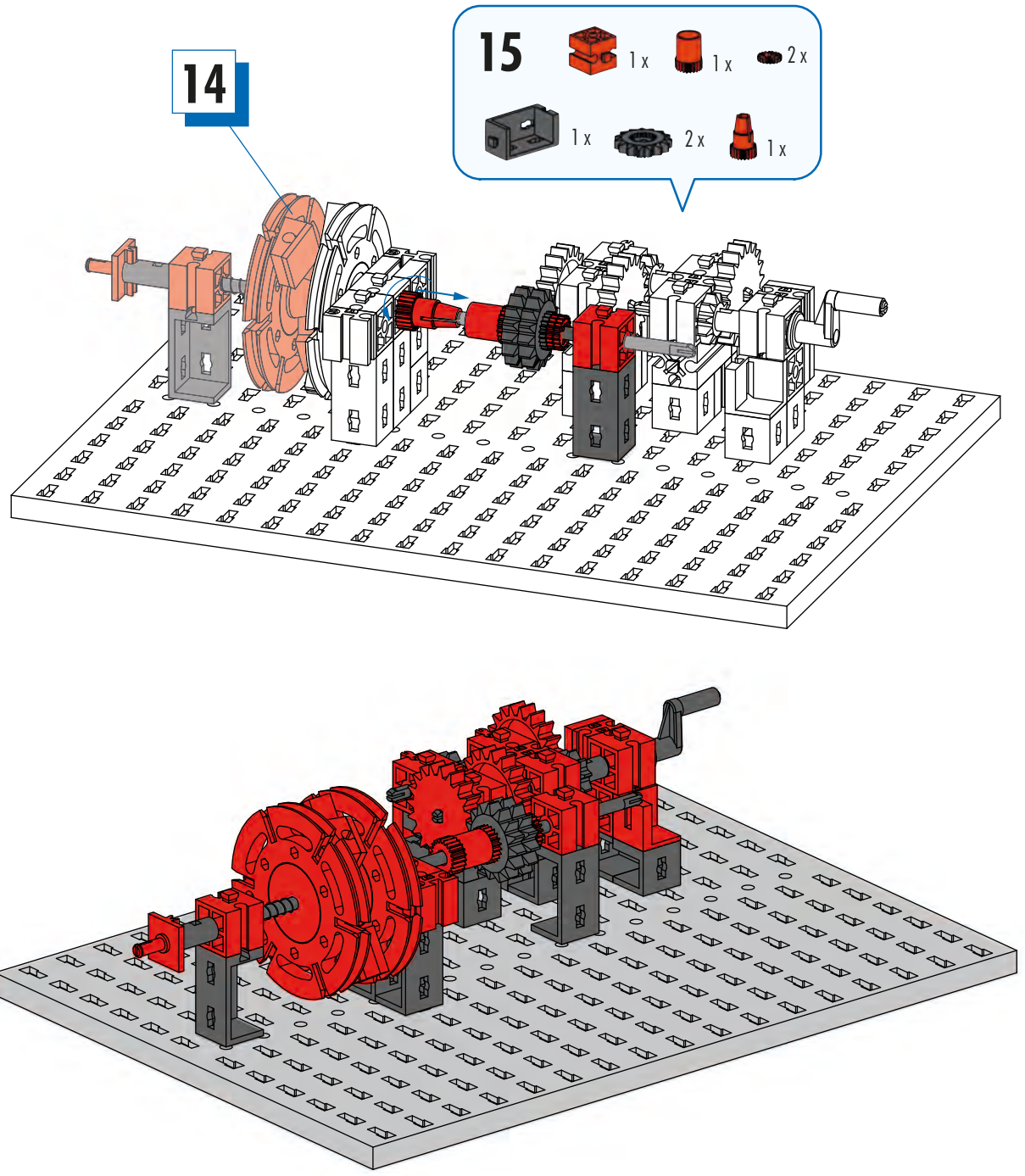
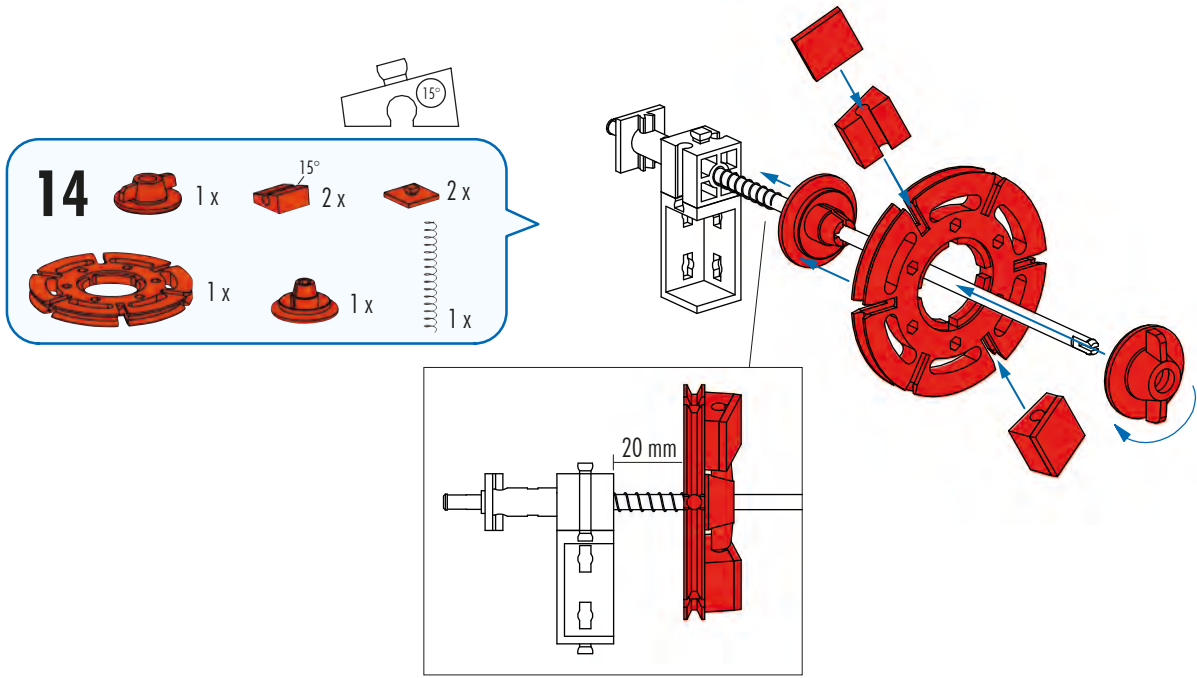
- 11**
- 1x Grey Technic Brick
 - 1x Grey Technic Brick
 - 2x Red Technic Brick
 - 1x Red Technic Brick
 - 1x Grey Technic Brick

- 12**
- 1x Red Technic Brick
 - 4x Red Technic Brick
 - 1x Red Technic Brick
 - 1x Grey Technic Brick

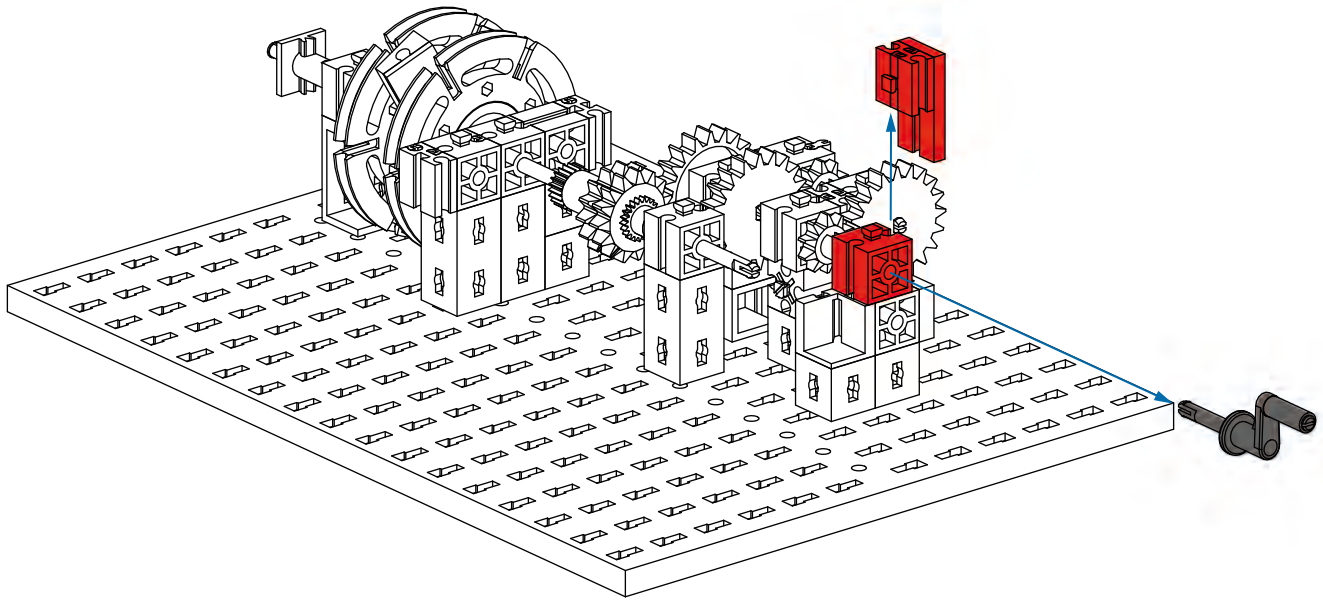






- 13**
- 1x Grey Technic Pin
 - 1x Grey Technic Axle (180)
 - 1x Red Technic Pin
 - 1x Grey Technic Brick
 - 1x Red Technic Brick

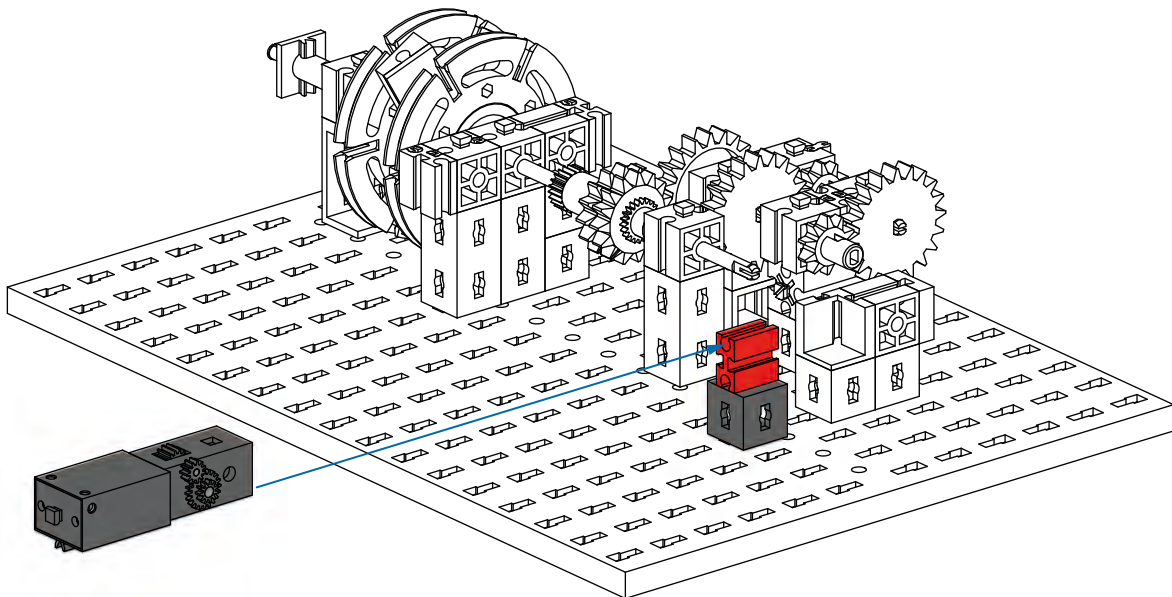


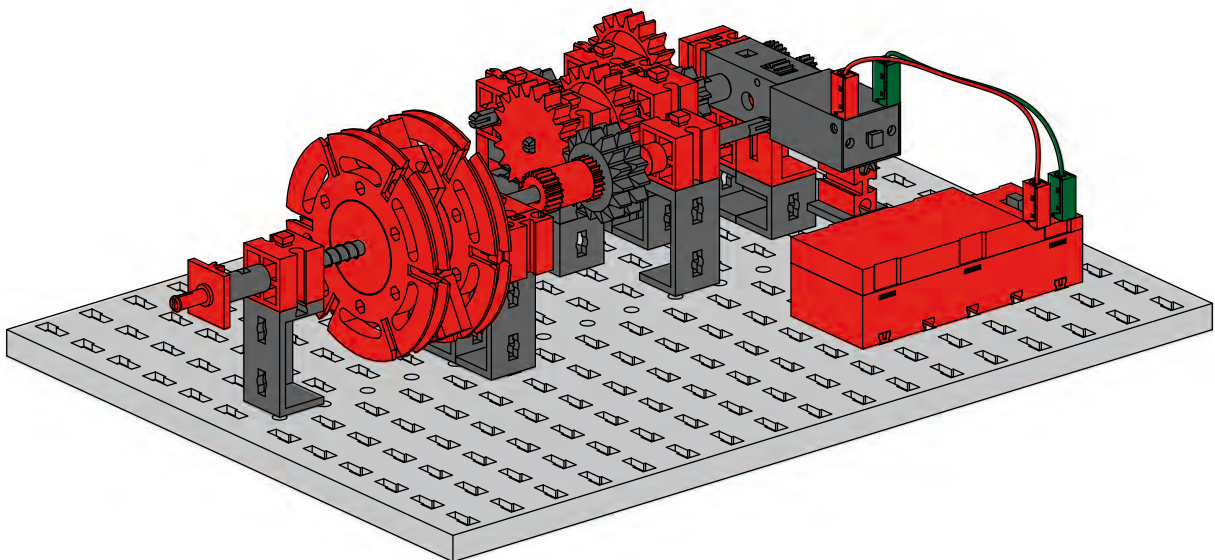
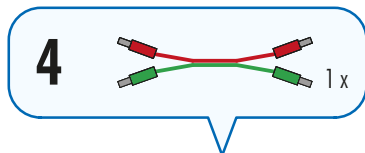
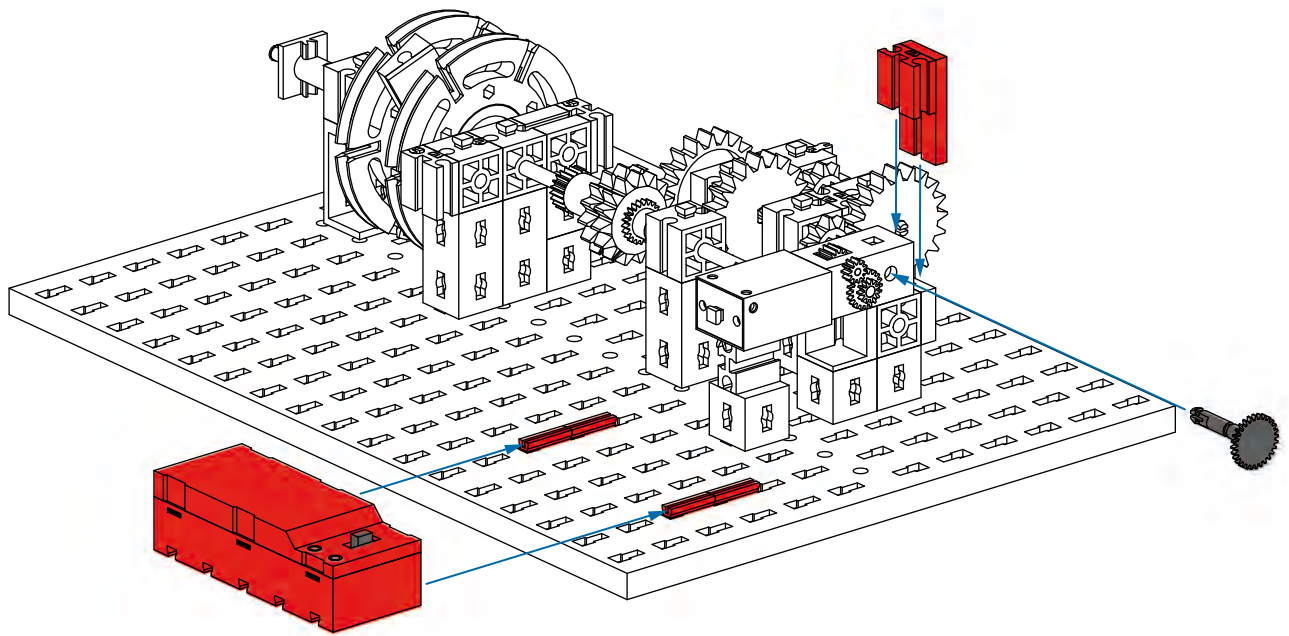
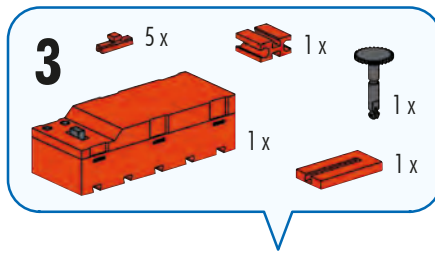


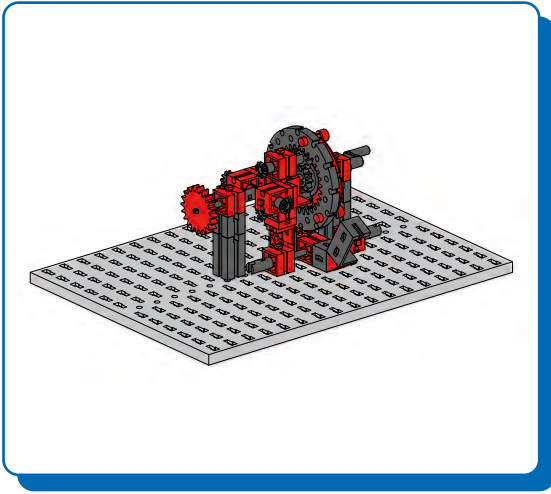
1 X



2  1x  1x
 1x  1x








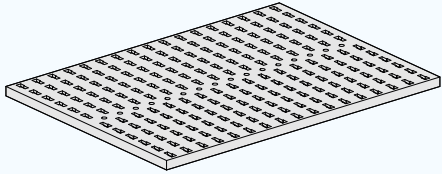


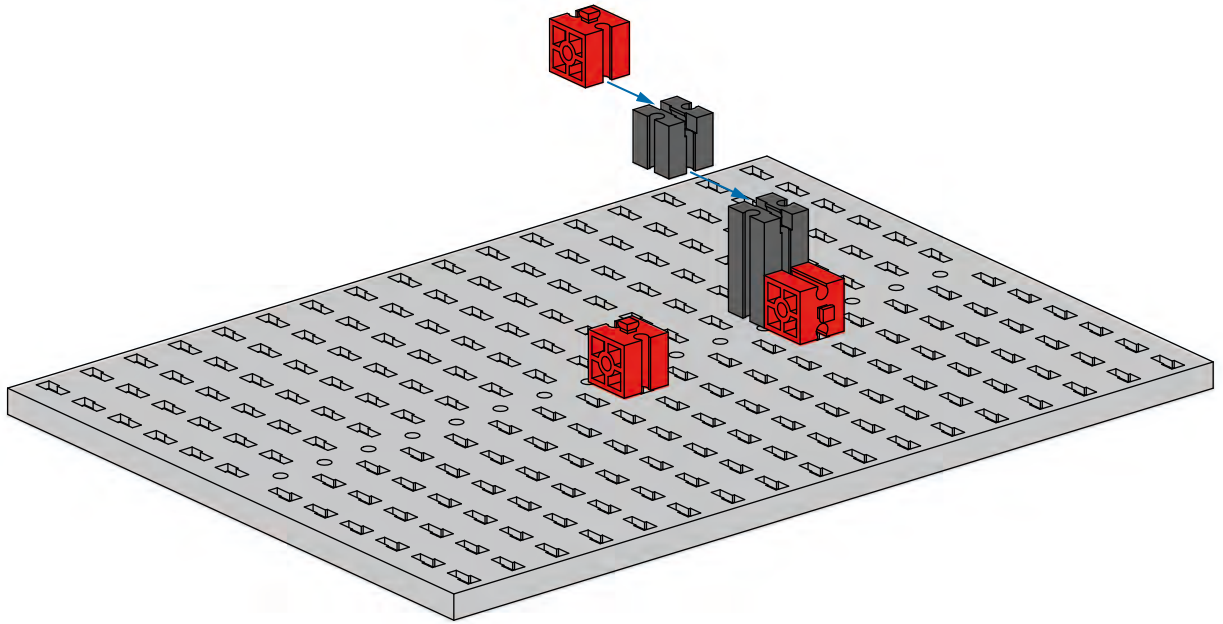
Planetengetriebe
Planetary gear
Réducteur planétaire

Planetair tandwiel
Engranaje planetario
Engrenagem planetária






Ingranaggio planetario
Планетарная передача
行星齿轮

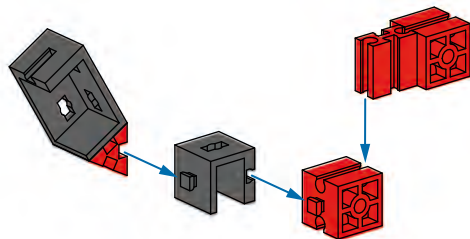
1

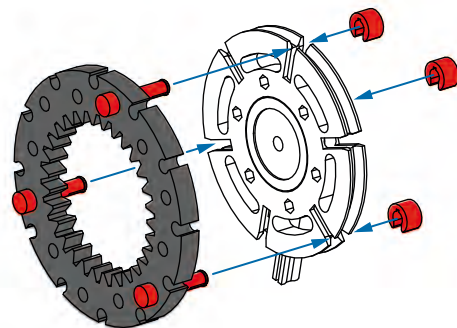
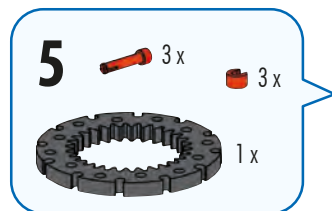
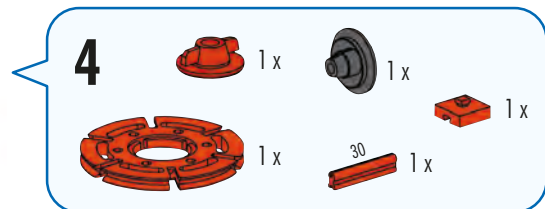
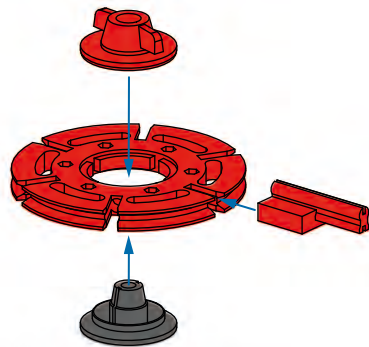
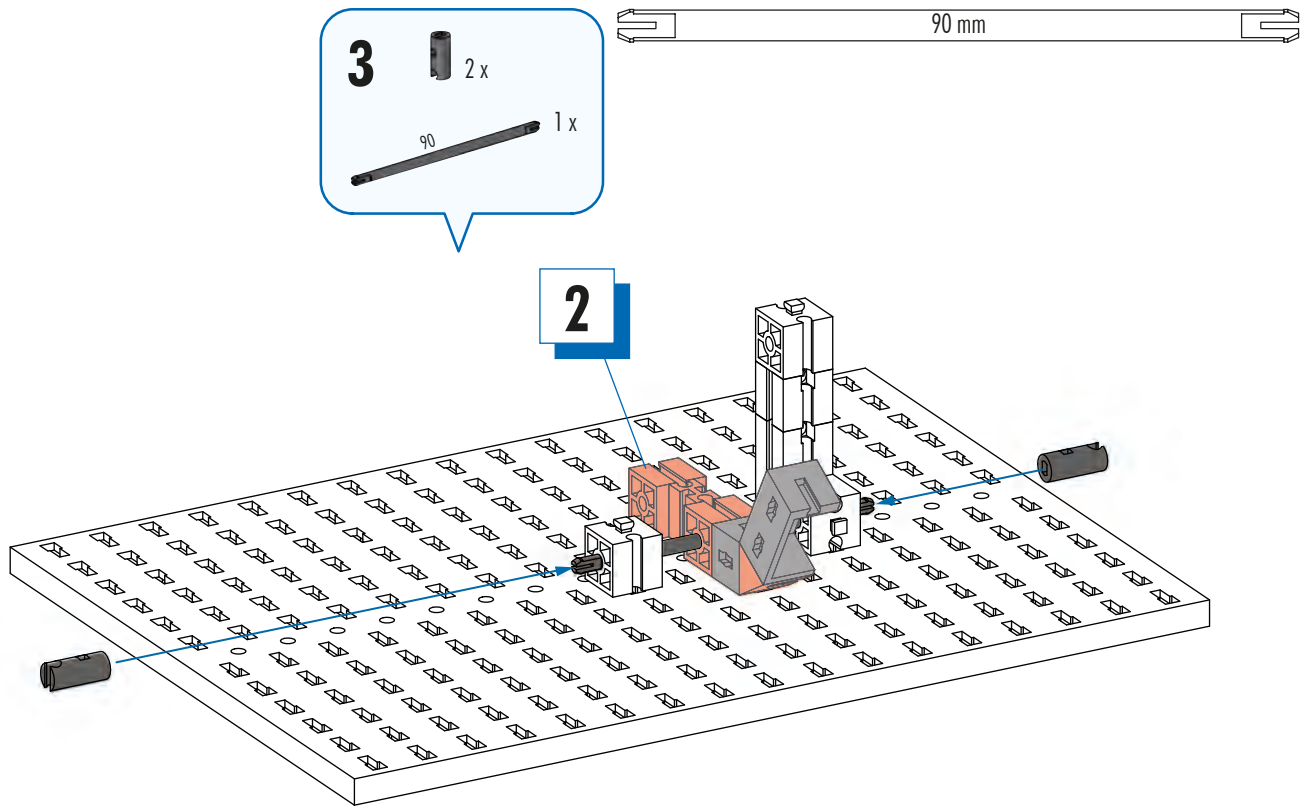
 1x
 1x
 3x
 1x



2

 1x
 2x
 1x
 1x
 1x

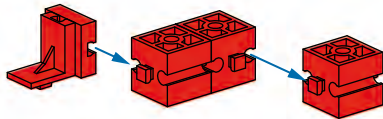
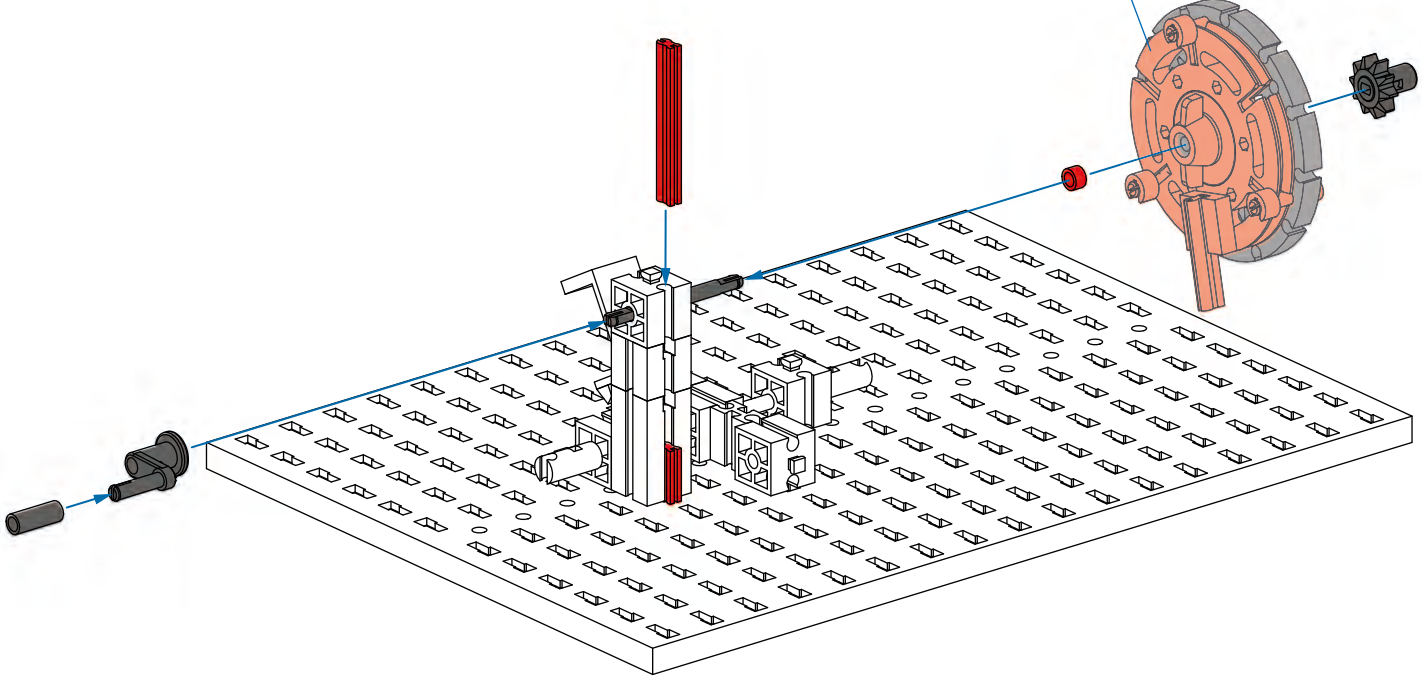




45 mm

- 6**
- 1 x [Red Pin]
 - 1 x [Grey Pin]
 - 1 x [Grey Technic Axle]
 - 1 x [Grey Technic Axle]
 - 1 x [Red Technic Axle 45]
 - 1 x [Red Technic Axle 15]
 - 1 x [Grey Technic Axle 45]

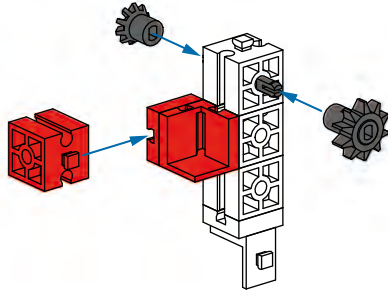
5



- 7**
- 3 x [Red Technic Brick 1x3]
 - 1 x [Red Technic Brick 1x2]
 - 1 x [Red Technic Brick 1x3]

- 8**
- 1 x [Red Technic Brick 1x3]
 - 1 x [Red Technic Brick 1x2]
 - 1 x [Red Technic Brick 1x3]
 - 1 x [Red Technic Brick 1x3]
 - 1 x [Grey Technic Axle]
 - 1 x [Grey Technic Axle]
 - 1 x [Grey Technic Axle 30]

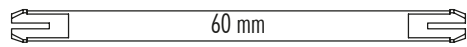
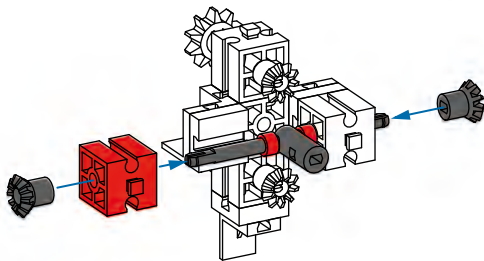
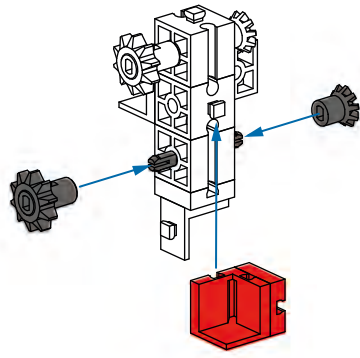
30 mm



9

- 1x [red 1x2 Technic brick]
- 1x [black 1x2 Technic pin]
- 1x [red L-shaped Technic Technic brick]
- 1x [black 1x2 Technic pin]
- 1x [black 30mm Technic axle]

30 mm



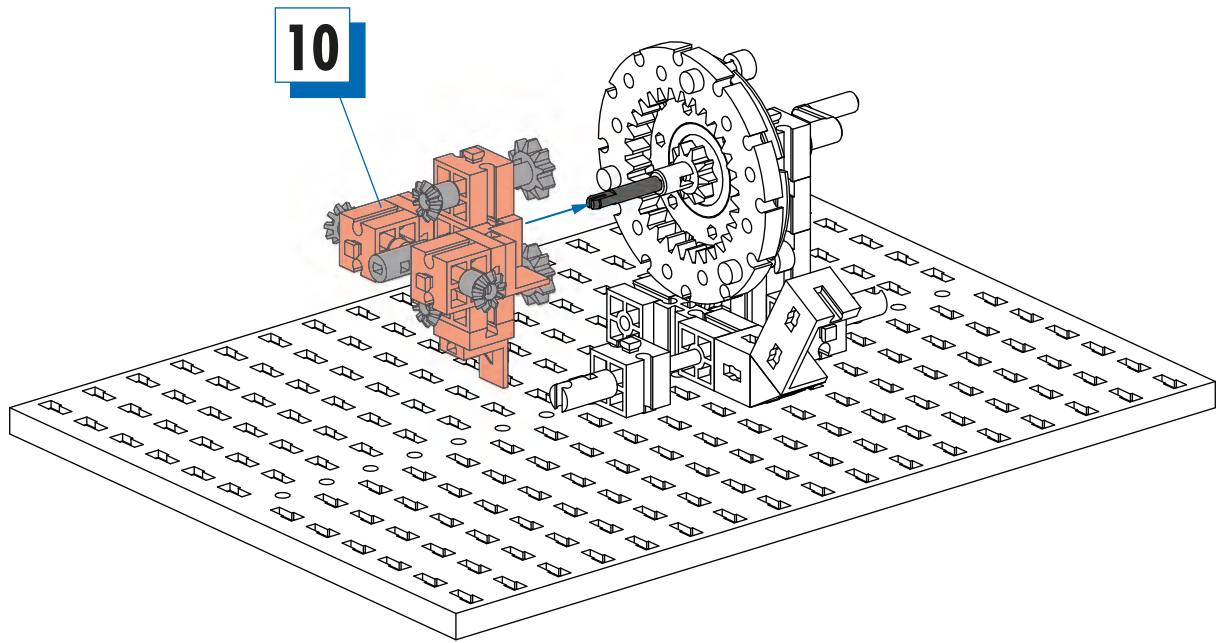
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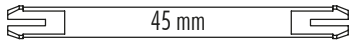
- 2x [red 1x2 Technic brick]
- 1x [black 1x2 Technic pin]
- 2x [black 1x2 Technic pin]
- 1x [red 1x2 Technic brick]
- 1x [black 60mm Technic axle]



11

- 1x [black 30mm Technic axle]





12



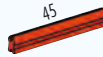
1x



1x



1x



1x



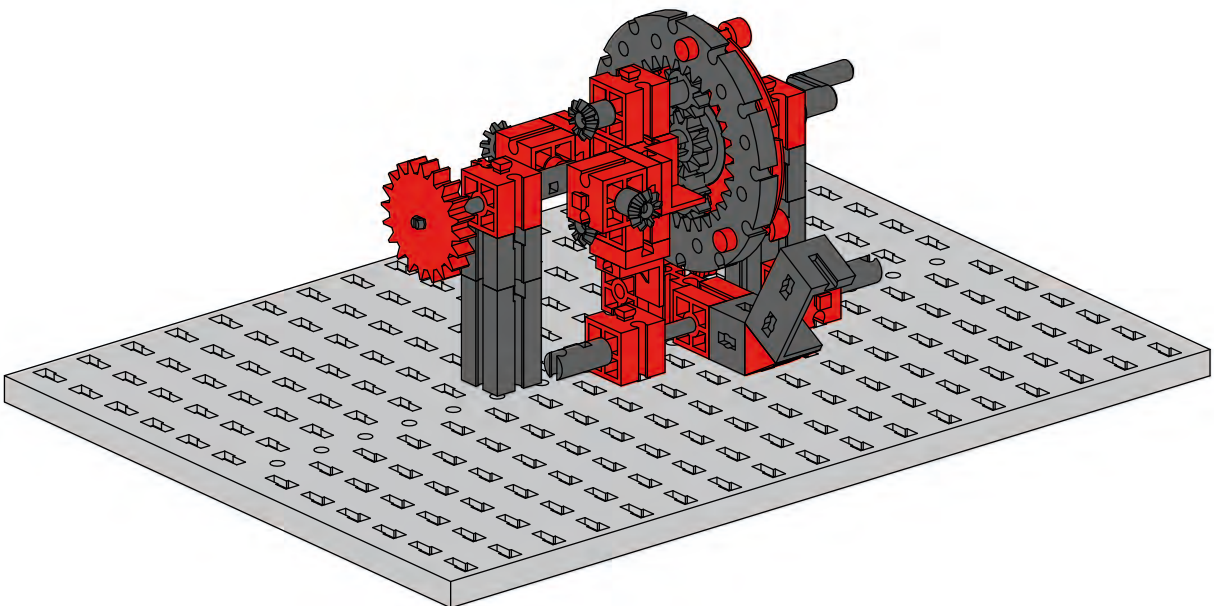
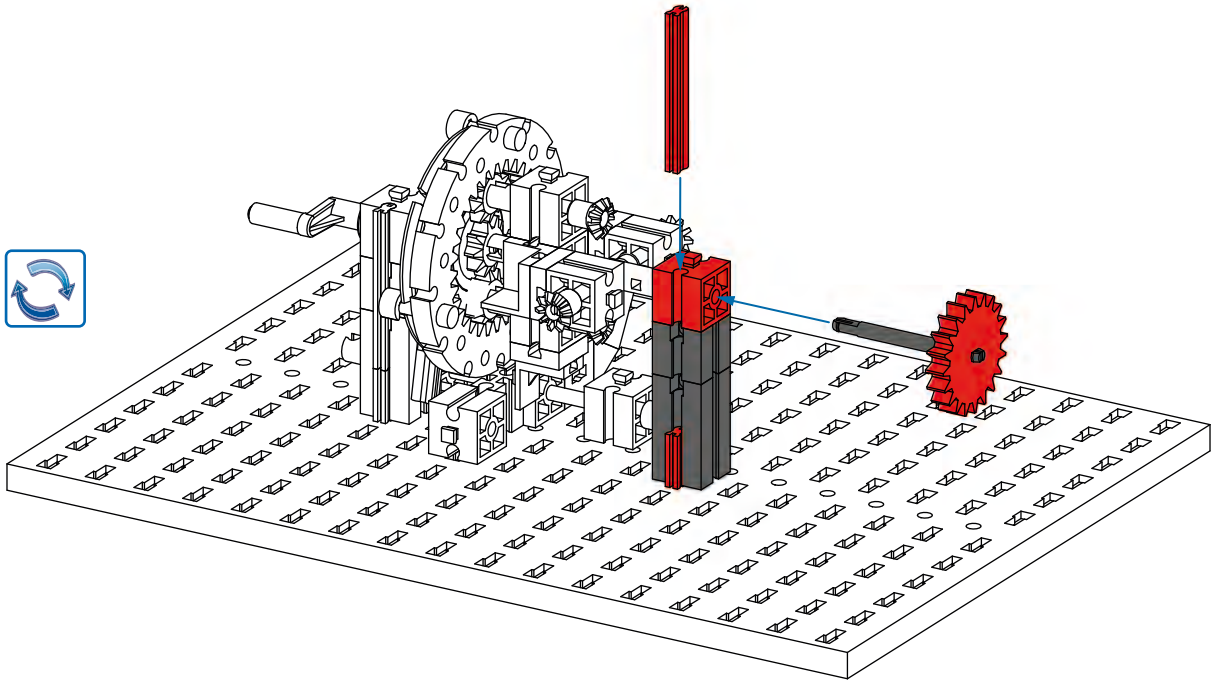
1x

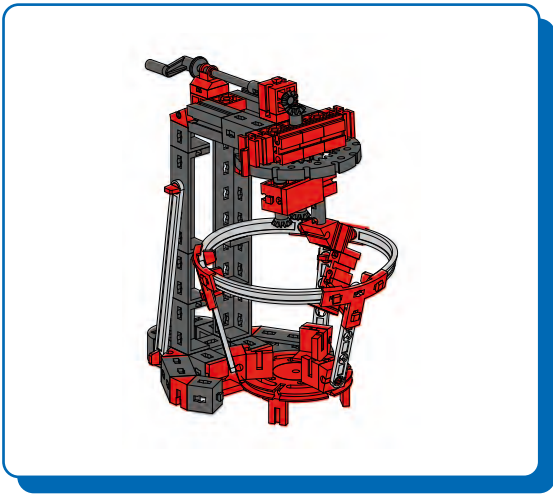


1x



1x

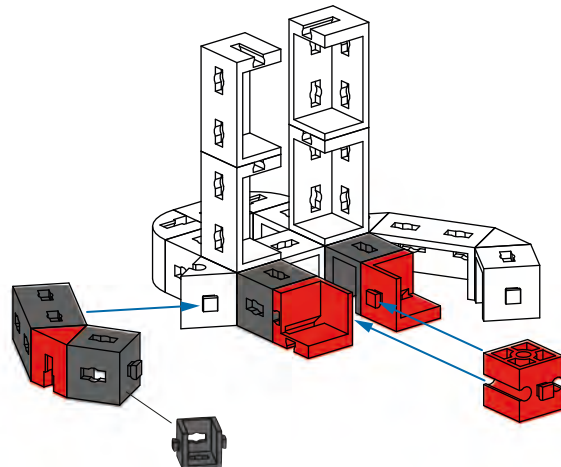
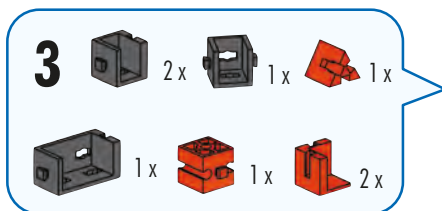
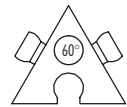
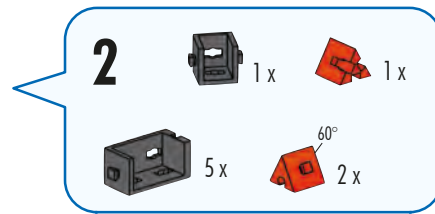
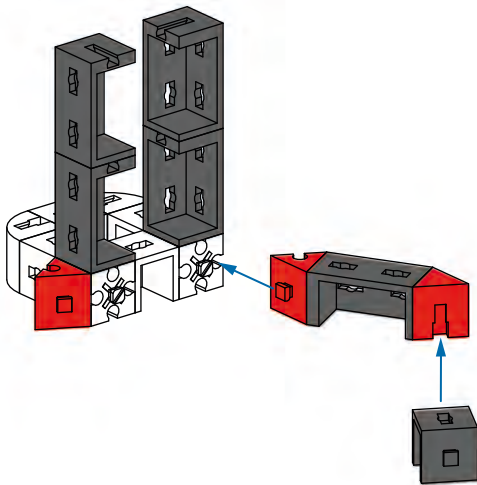
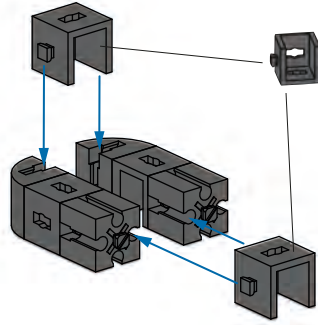
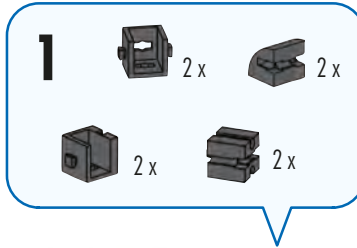


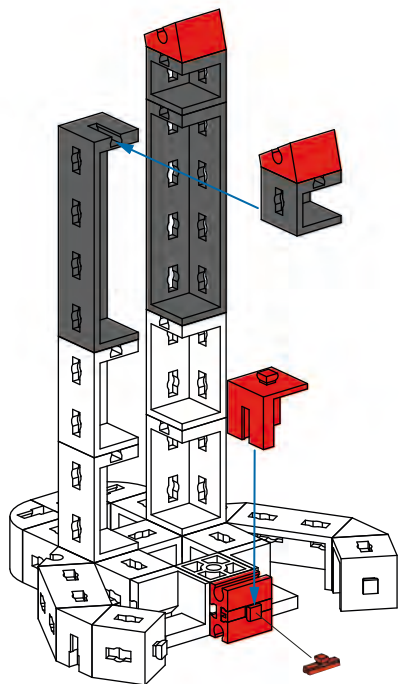


Küchenmaschine
Food Processor
Robot ménager

Keukenmachine
Aparato de cocina
Batedeira de cozinha

Robot da cucina
Кухонный комбайн
电动厨具



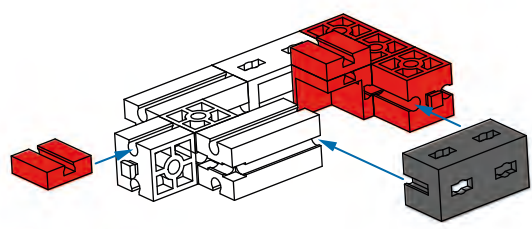
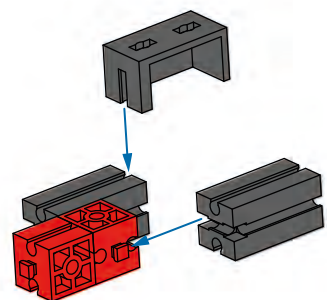


4

- 2x [Grey 1x3 Technic Beam]
- 1x [Red 1x2 Technic Beam]
- 1x [Red 1x2 Technic Beam]
- 1x [Red 1x2 Technic Beam]
- 2x [Grey 1x3 Technic Beam]
- 2x [Red 30° Technic Wedge]
- 1x [Red 1x2 Technic Beam]

5

- 2x [Red 1x2 Technic Beam]
- 2x [Grey 1x3 Technic Beam]
- 1x [Grey 1x3 Technic Beam]

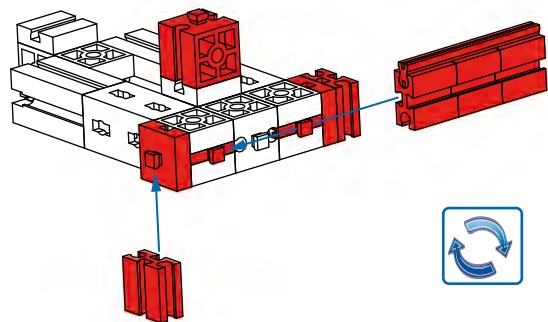


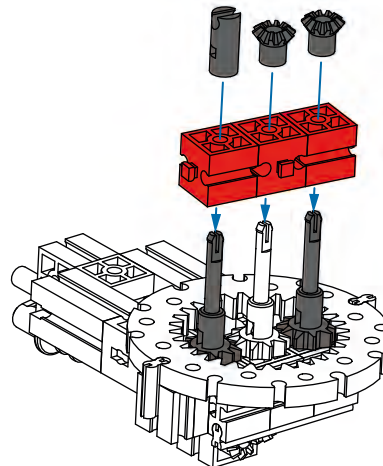
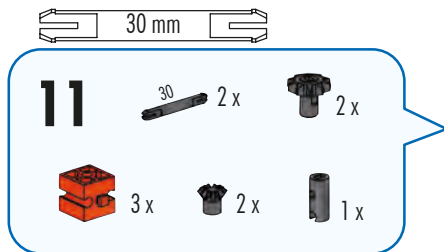
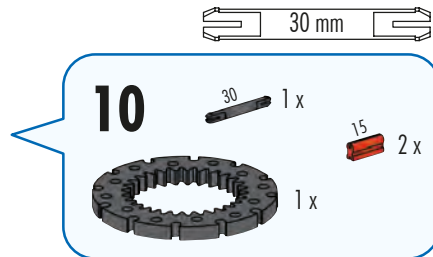
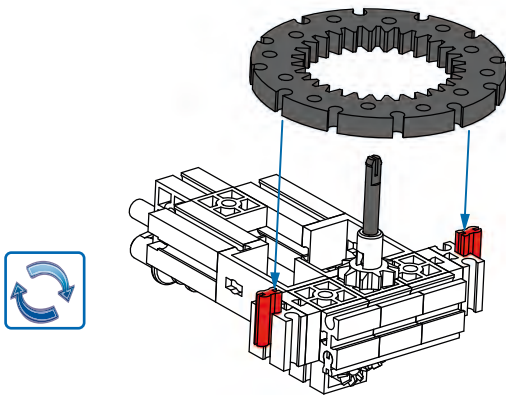
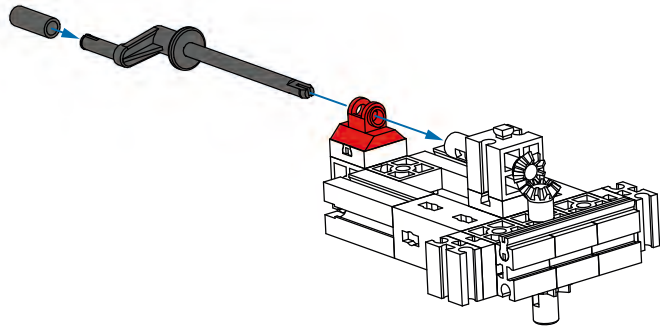
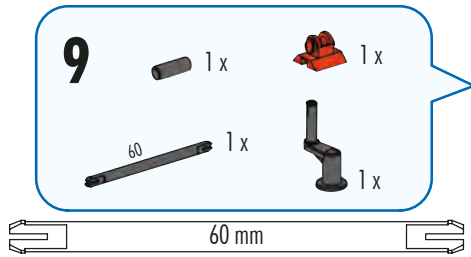
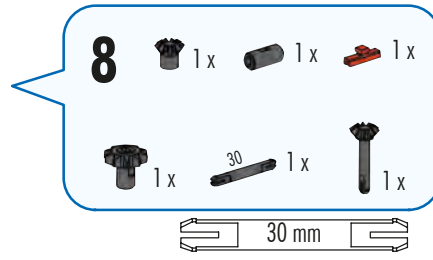
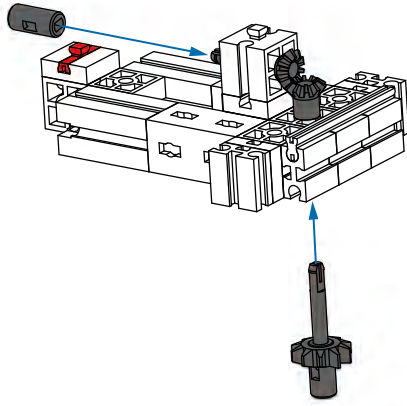
6

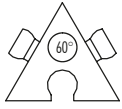
- 2x [Red 1x2 Technic Beam]
- 1x [Red 1x2 Technic Beam]
- 1x [Grey 1x3 Technic Beam]
- 3x [Red 1x2 Technic Beam]

7

- 5x [Red 1x2 Technic Beam]
- 1x [Red 1x2 Technic Beam]
- 2x [Red 1x2 Technic Beam]
- 2x [Red 1x2 Technic Beam]
- 1x [Red 45° Technic Wedge]

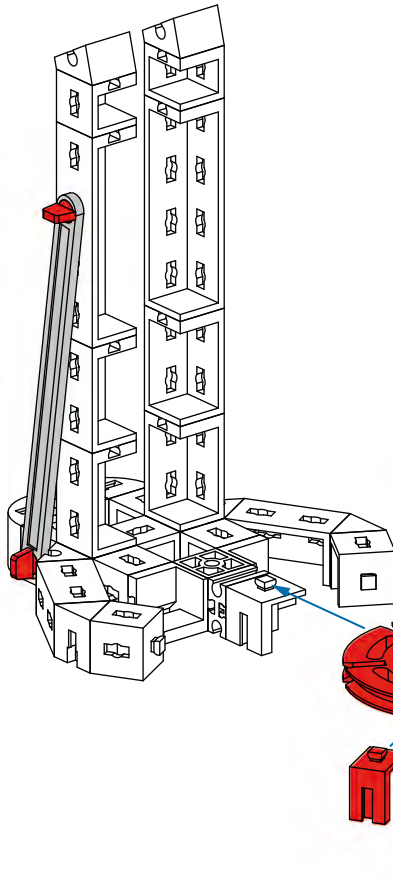
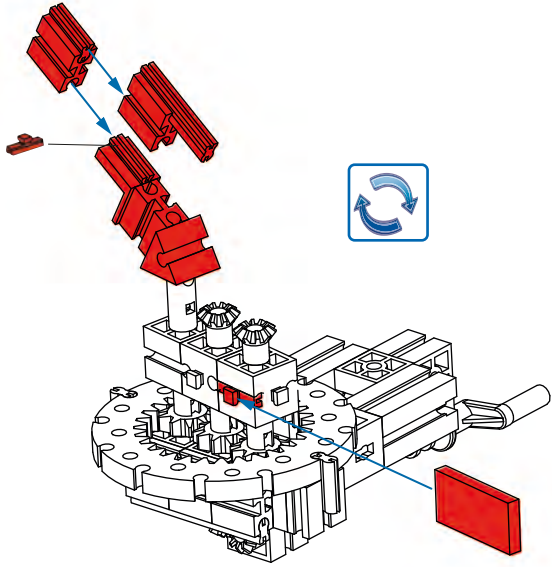






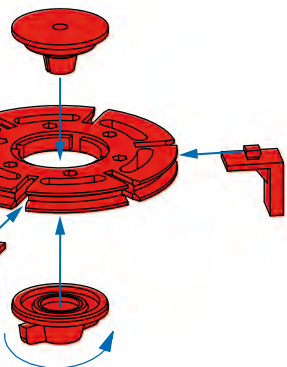
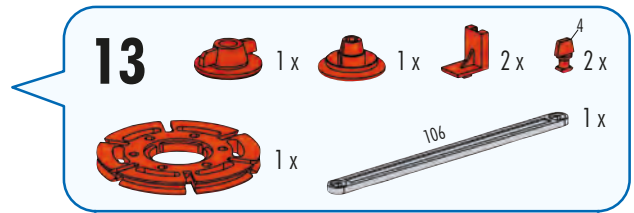
12

- 30 1x
- 15 1x
- 2x
- 1x
- 3x
- 60° 1x
- 1x



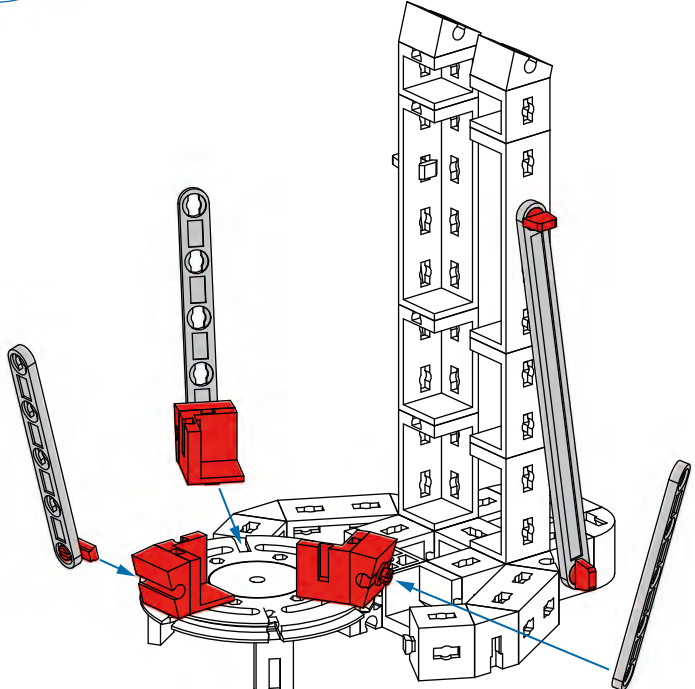
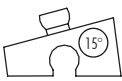
13

- 1x
- 1x
- 2x
- 2x
- 1x
- 106 1x



14

- 3x
- 15° 3x
- 3x
- 2x
- 60 3x
- 106 1x

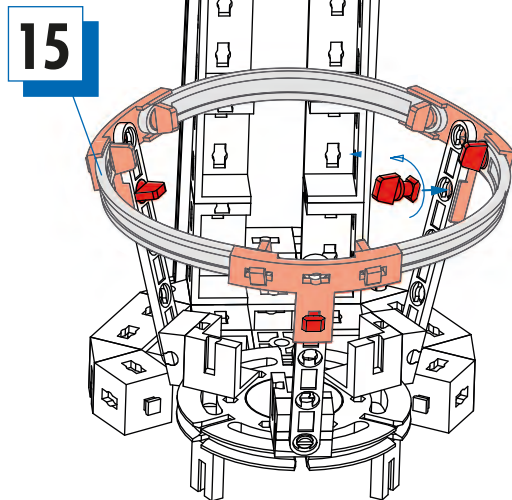
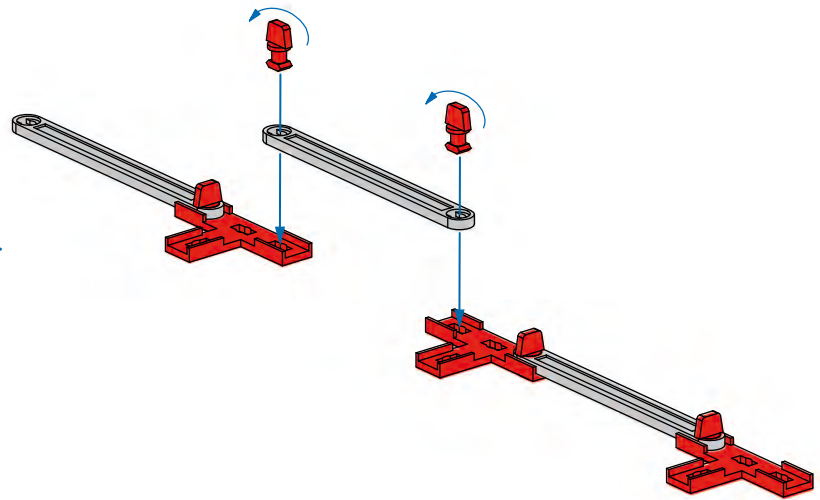


15

3x

3x

5x



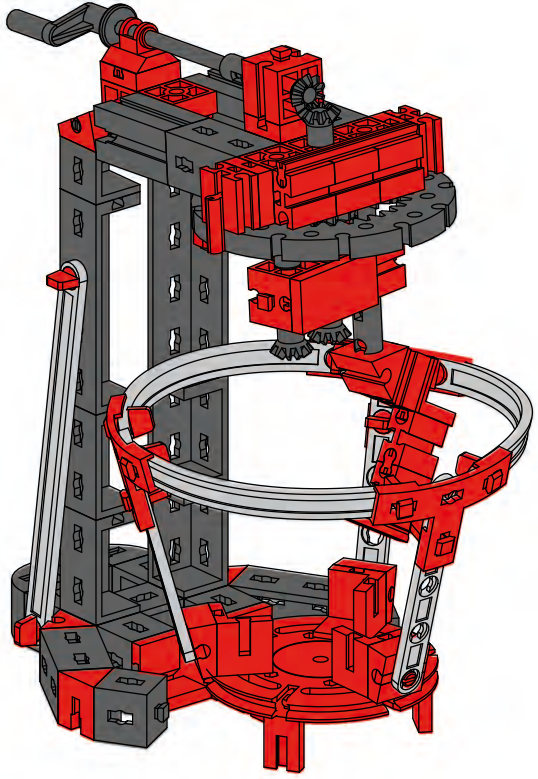
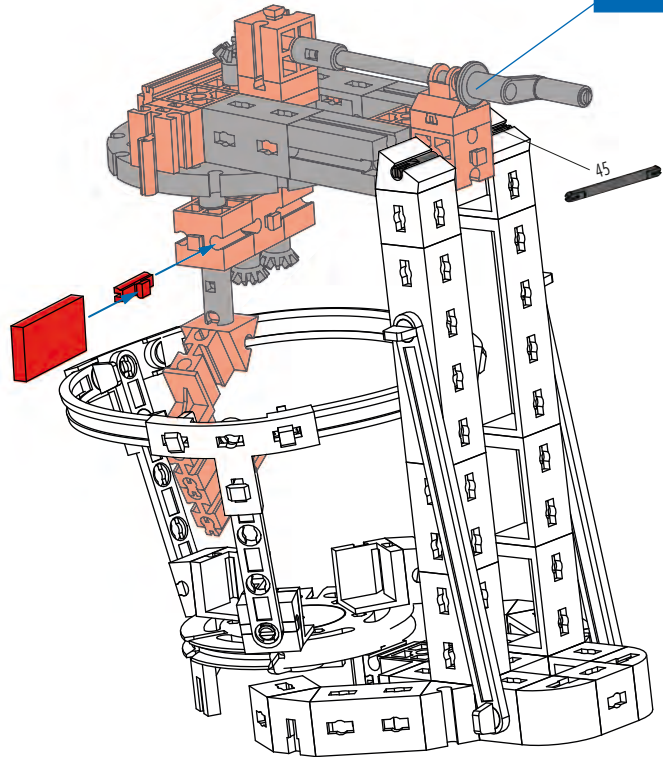
16

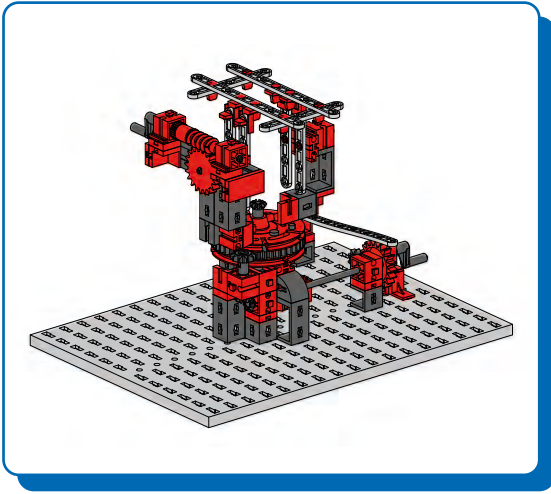
4x

12

45 mm

- 17 45 1x
- 1x
- 1x





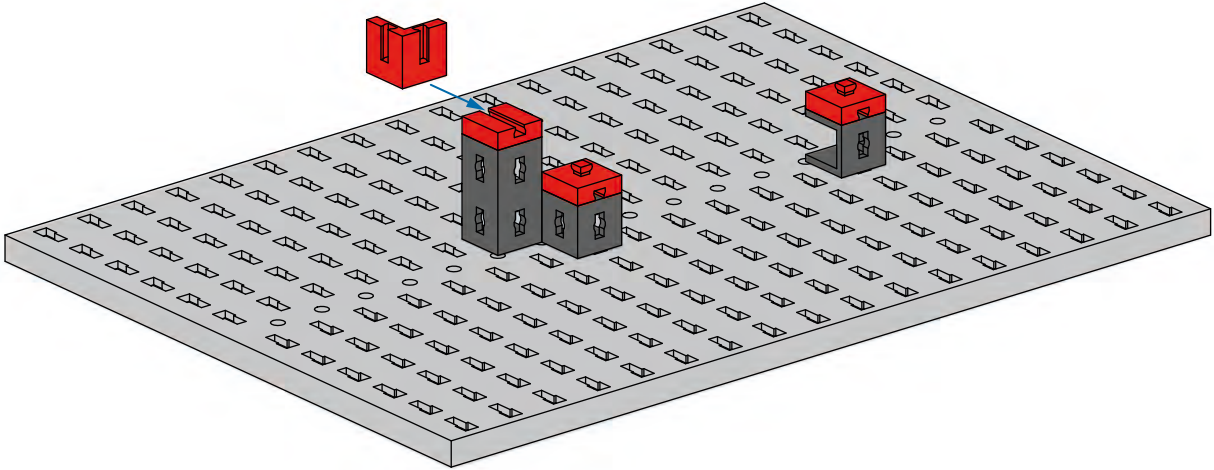
Solartracker
Solar Tracker
Traceur solaire

Zonne tracker
Seguidor solar
Rastreador solar

Inseguitore solare
Солнечный трекер
太阳能跟踪器

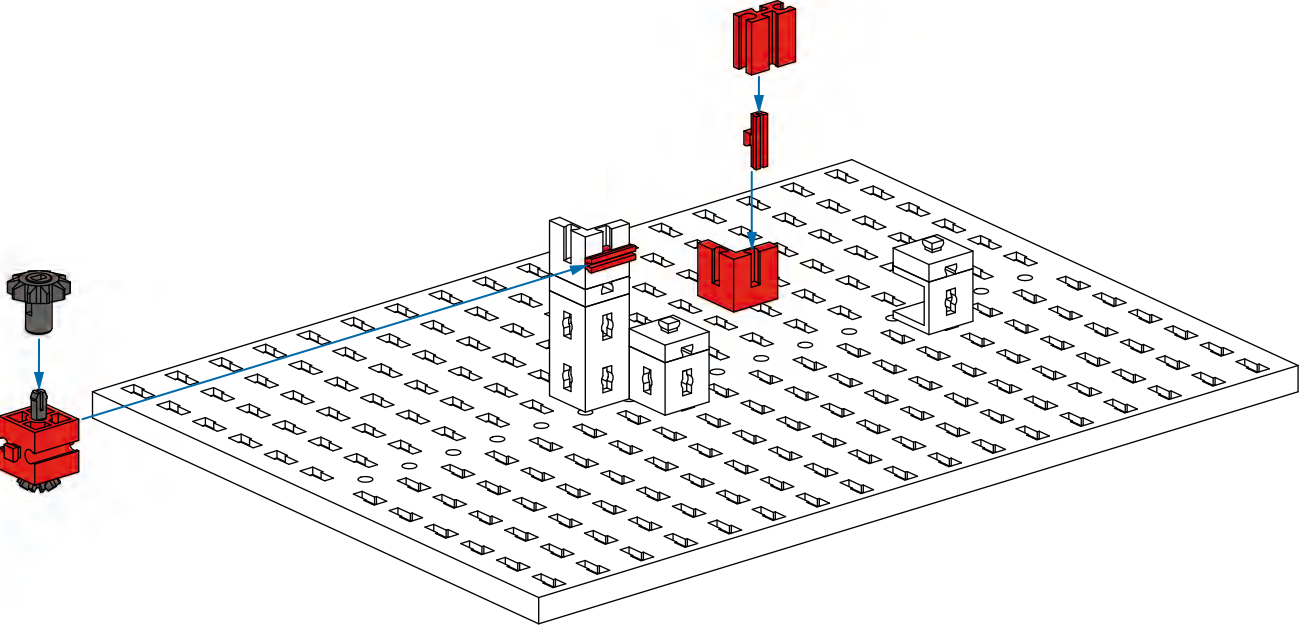
1

- 2x [Grey Technic Pin]
- 3x [Red Technic Pin]
- 1x [Grey Technic Bracket]
- 1x [Red Technic Bracket]
- 1x [Grey Technic Base Plate]



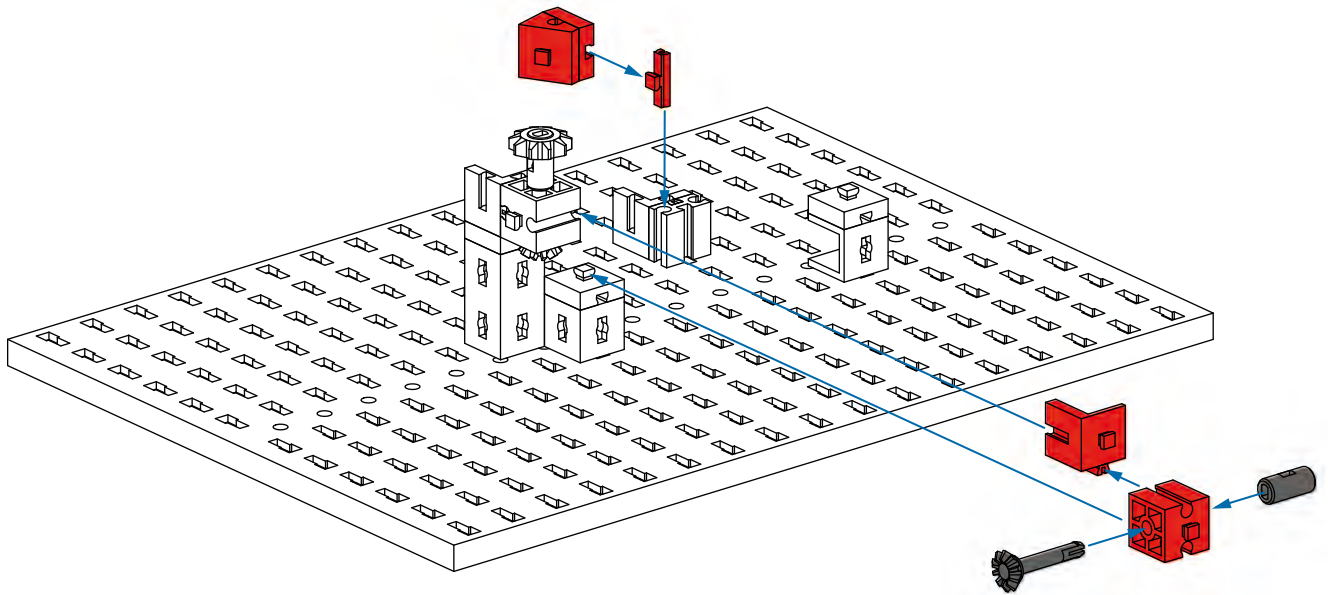
2

- 1x [Grey Technic Pin]
- 1x [Grey Technic Pin]
- 1x [Red Technic Pin]
- 1x [Red Technic Bracket]
- 1x [Red Technic Bracket]
- 2x [Red Technic Pin]



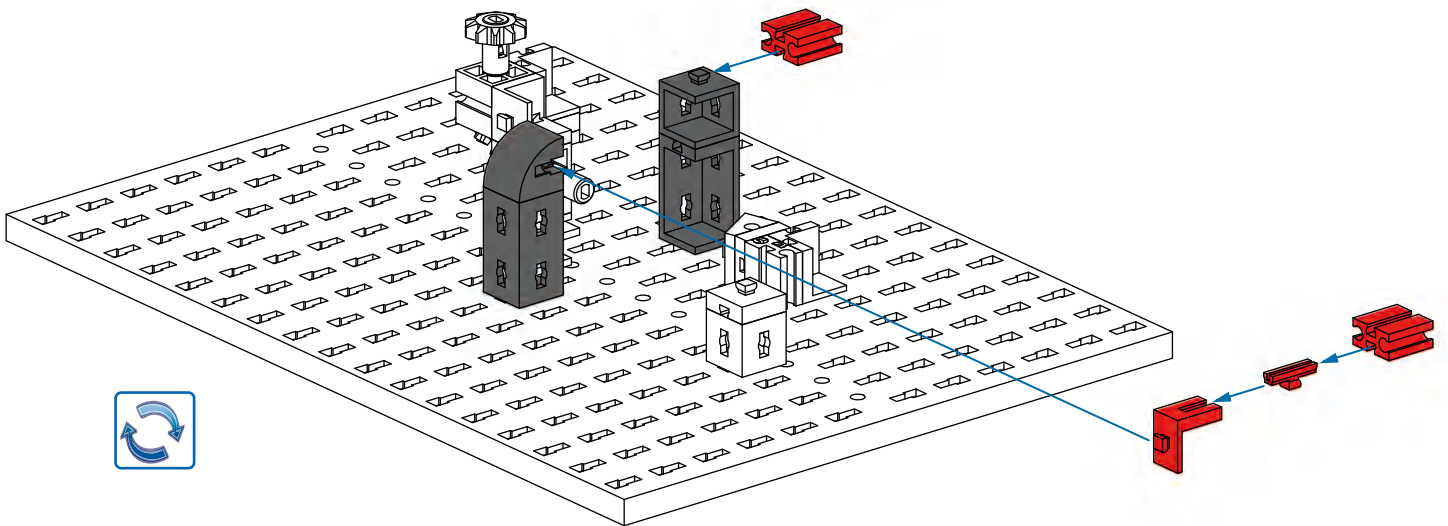
3

- 1x Red 1x2 Technic Brick with Hole
- 1x Black Technic Pin
- 1x Black Technic Pin
- 1x Red 1x2 Technic Brick with Hole
- 1x Red 1x2 Technic Brick with Hole
- 1x Red 1x2 Technic Brick with Hole
- 2x Red 1x2 Technic Brick with Hole



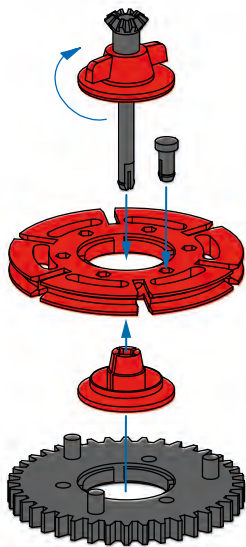
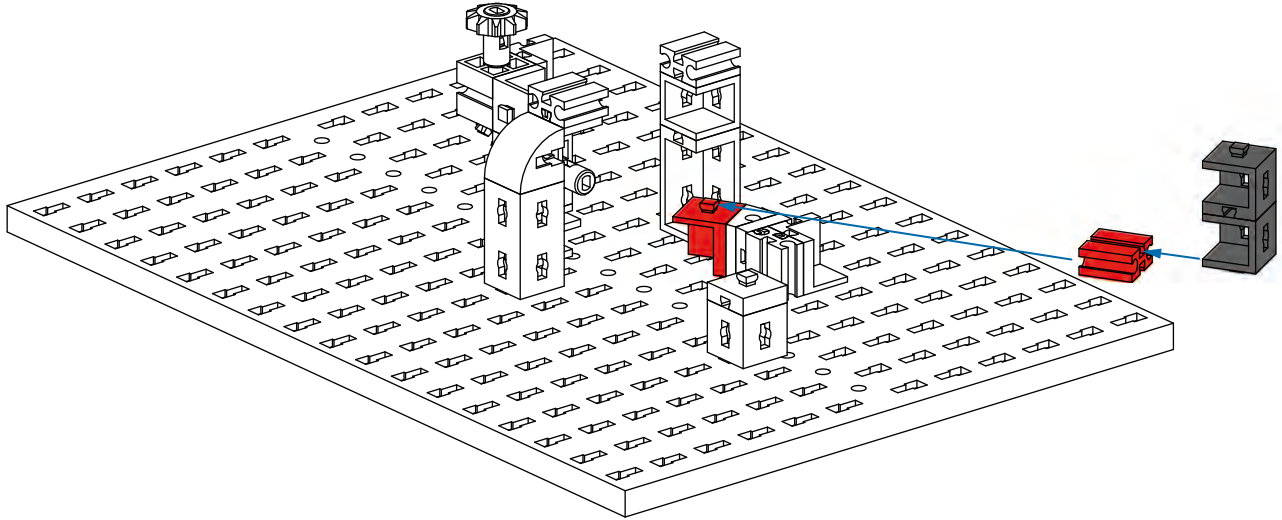
4

- 1x Grey Technic Pin
- 1x Red 1x2 Technic Brick with Hole
- 1x Red 1x2 Technic Brick with Hole
- 2x Grey Technic Pin
- 1x Grey Technic Pin
- 2x Red 1x2 Technic Brick with Hole



5

- 1x [Grey Technic Brick with 2 holes]
- 1x [Grey Technic Brick with 2 holes]
- 1x [Red Technic L-Shape]
- 1x [Red Technic 1x2 Plate]



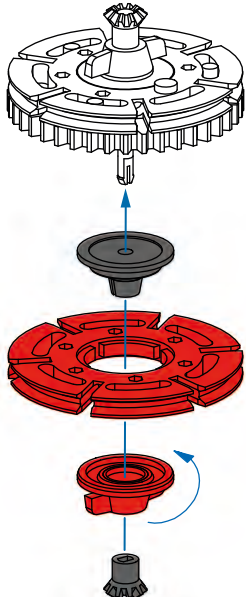
45 mm

6

- 1x [Red Technic Pin]
- 1x [Red Technic Pin]
- 1x [Red Technic Ring]
- 1x [Grey Gear]
- 1x [Grey Axle 45]
- 1x [Grey Pin]
- 1x [Grey Pin]

7

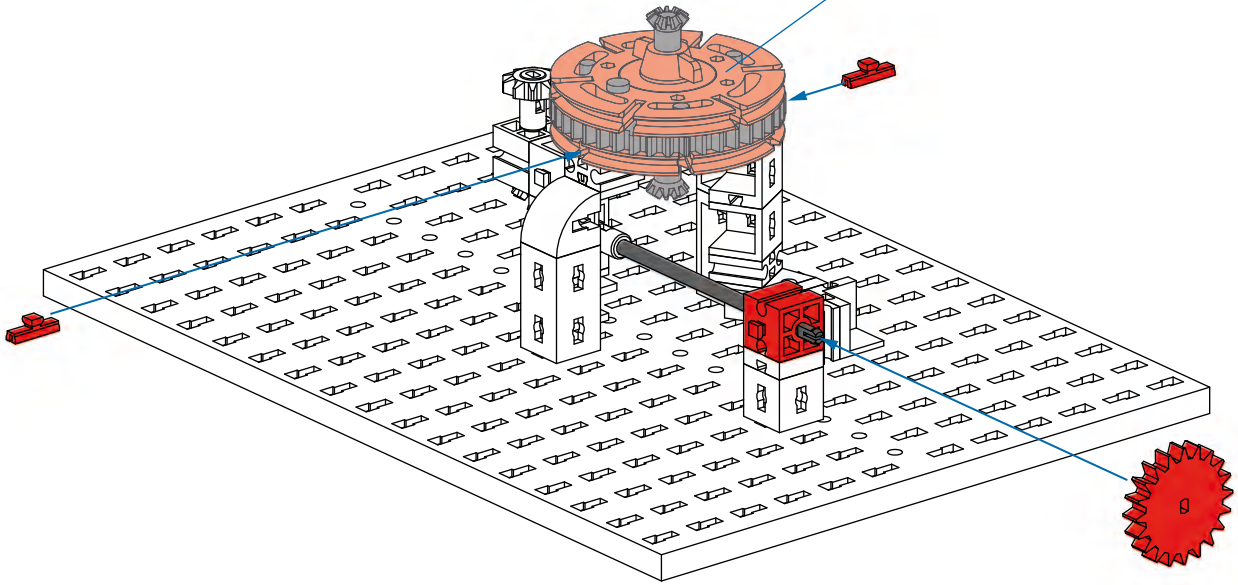
- 1x [Grey Pin]
- 1x [Grey Pin]
- 1x [Red Technic Ring]
- 1x [Red Technic Pin]



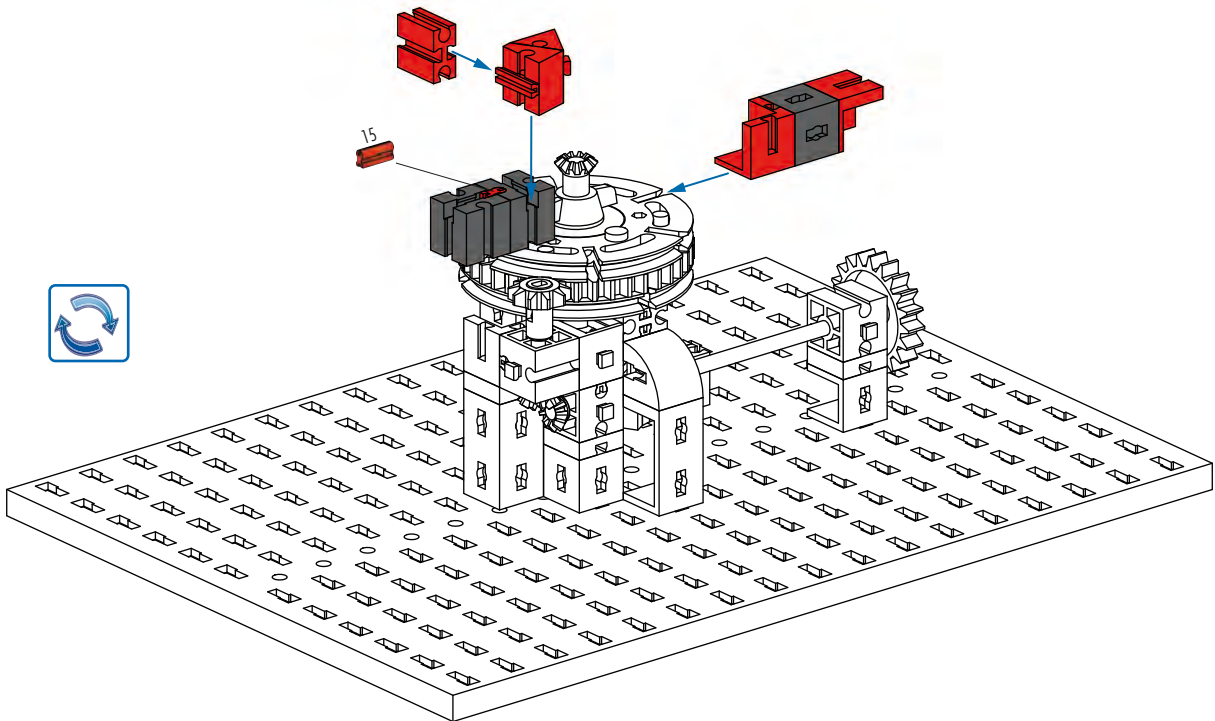
90 mm

- 8**
- 1x
 - 1x
 - 1x
 - 2x

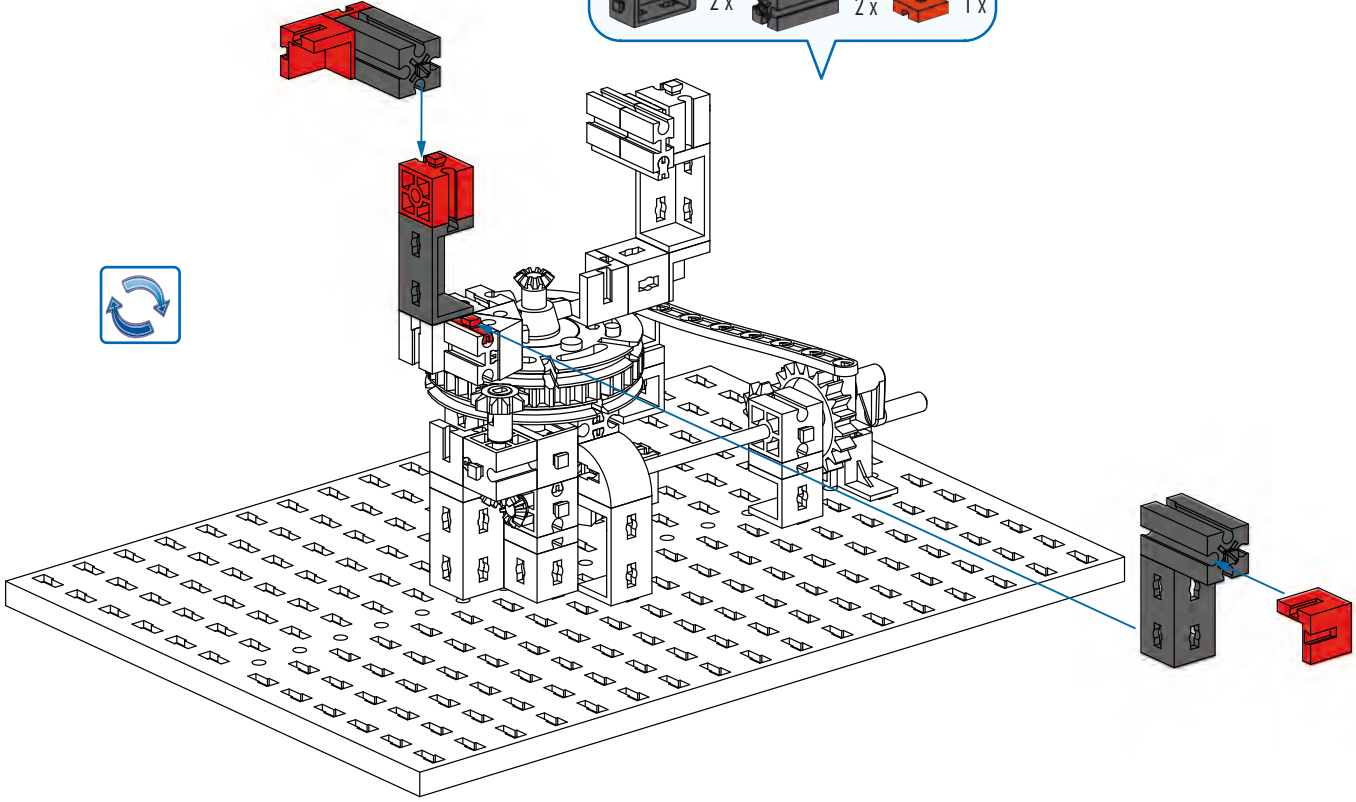
7



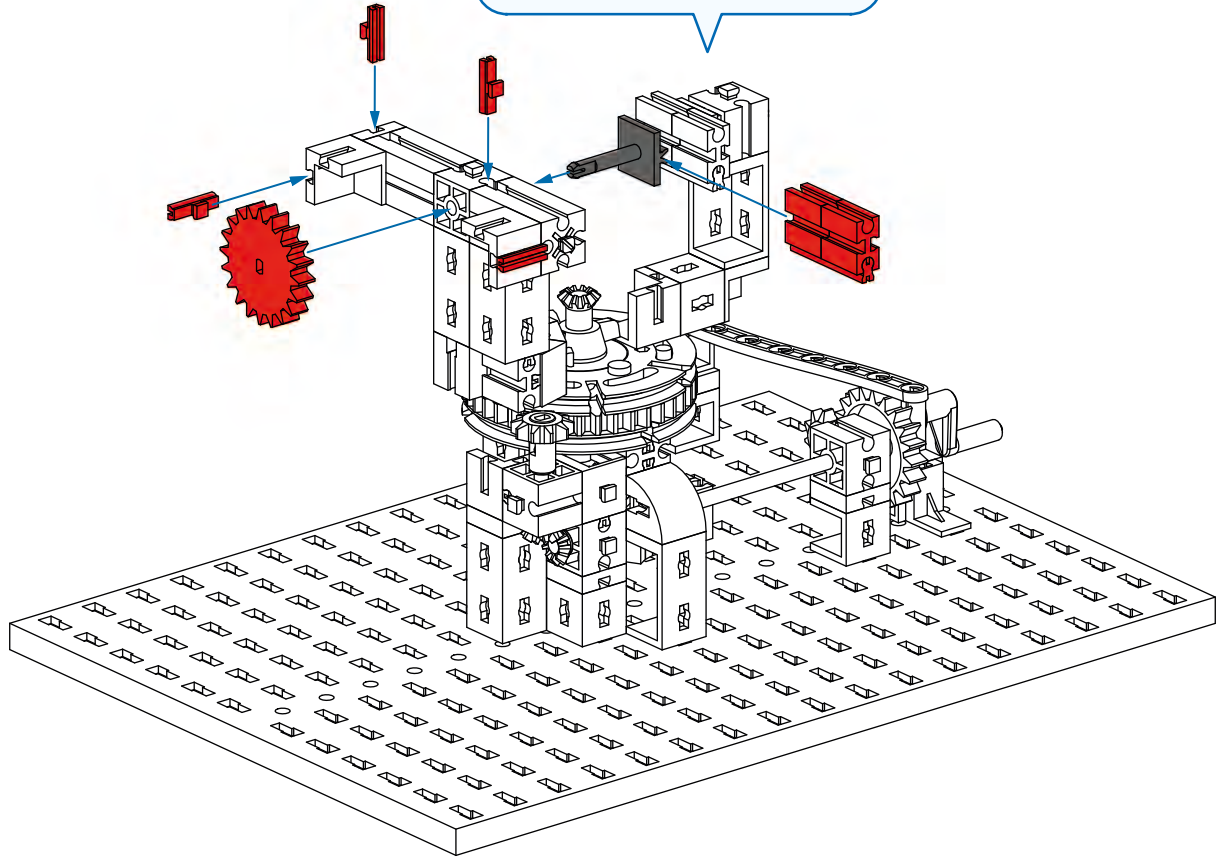
- 9**
- 1x
 - 1x
 - 1x
 - 1x
 - 2x
 - 1x
 - 1x
 - 2x
-
-



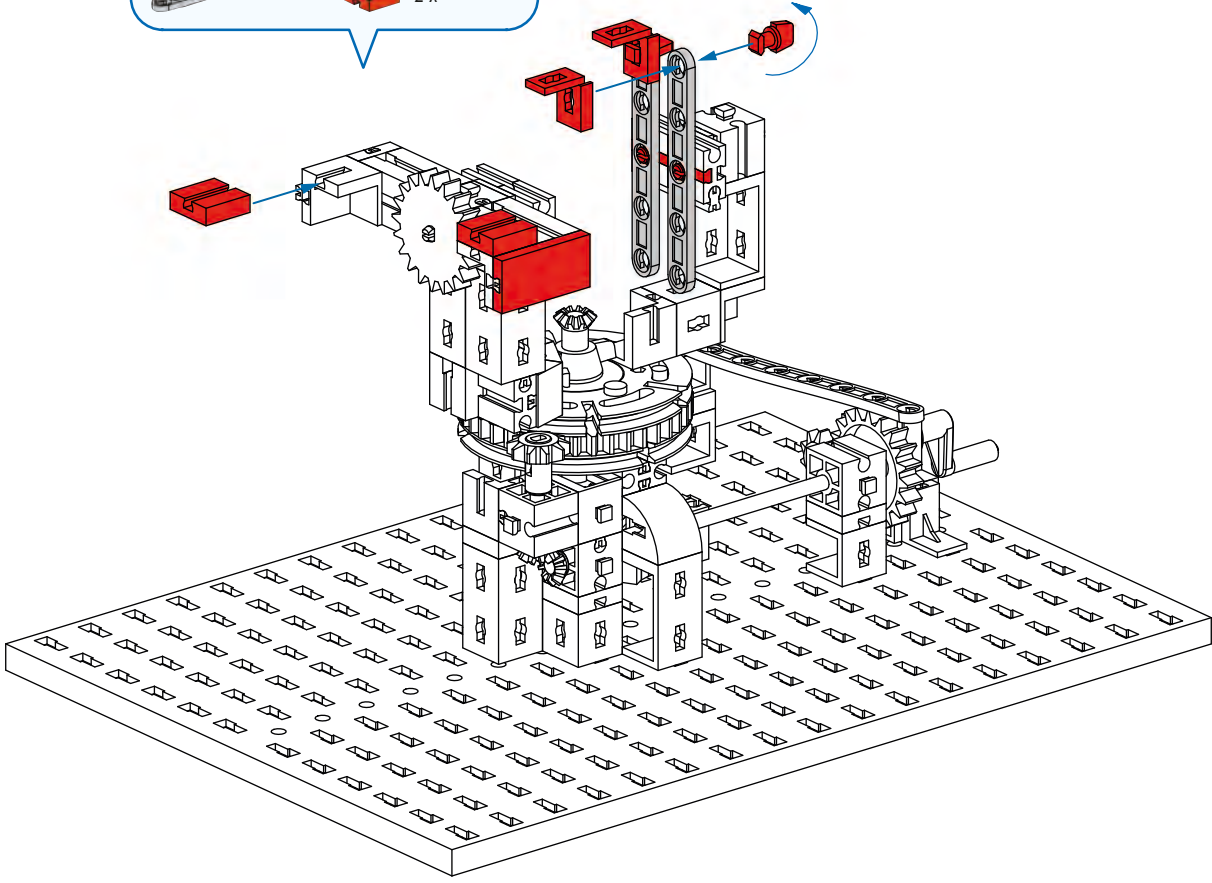
- 12**
- 1x (Red 1x2 Technic Brick with Hole)
 - 1x (Red 1x2 Technic Brick with Hole)
 - 2x (Red 1x2 Technic Brick with Hole)
 - 1x (Red 1x2 Technic Brick with Hole)
 - 2x (Grey 1x2 Technic Brick with Hole)
 - 2x (Grey 1x2 Technic Brick with Hole)
 - 1x (Red 1x2 Technic Brick with Hole)



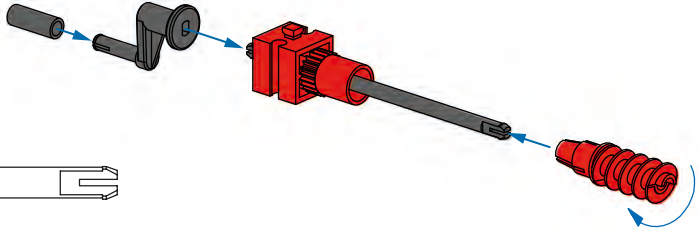
- 13**
- 1x (Red 24-tooth Technic Gear)
 - 4x (Red 1x2 Technic Brick with Hole)
 - 1x (Grey Technic Pin)
 - 2x (Red 1x2 Technic Brick with Hole)
 - 1x (Red 30-length Technic Pin)



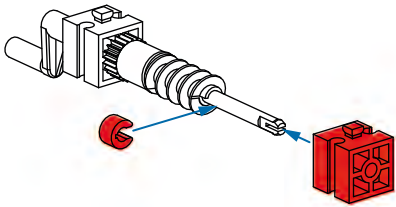
- 14**
- 1 x [Red 1x3 Technic Brick]
 - 2 x [Red L-shaped Technic Connector]
 - 2 x [Red Technic Pin with Friction Ridge]
 - 2 x [Red Technic Pin with Friction Ridge]
 - 2 x [Red 1x2 Technic Brick]
 - 2 x [Grey Technic Axle, length 60]





- 15**
- 1 x [Grey Technic Pin]
 - 1 x [Red 1x2 Technic Brick]
 - 1 x [Red Technic Pin with Friction Ridge]
 - 1 x [Black L-shaped Technic Connector]
 - 1 x [Grey Technic Axle, length 90]
 - 1 x [Red Technic Pin with Friction Ridge]

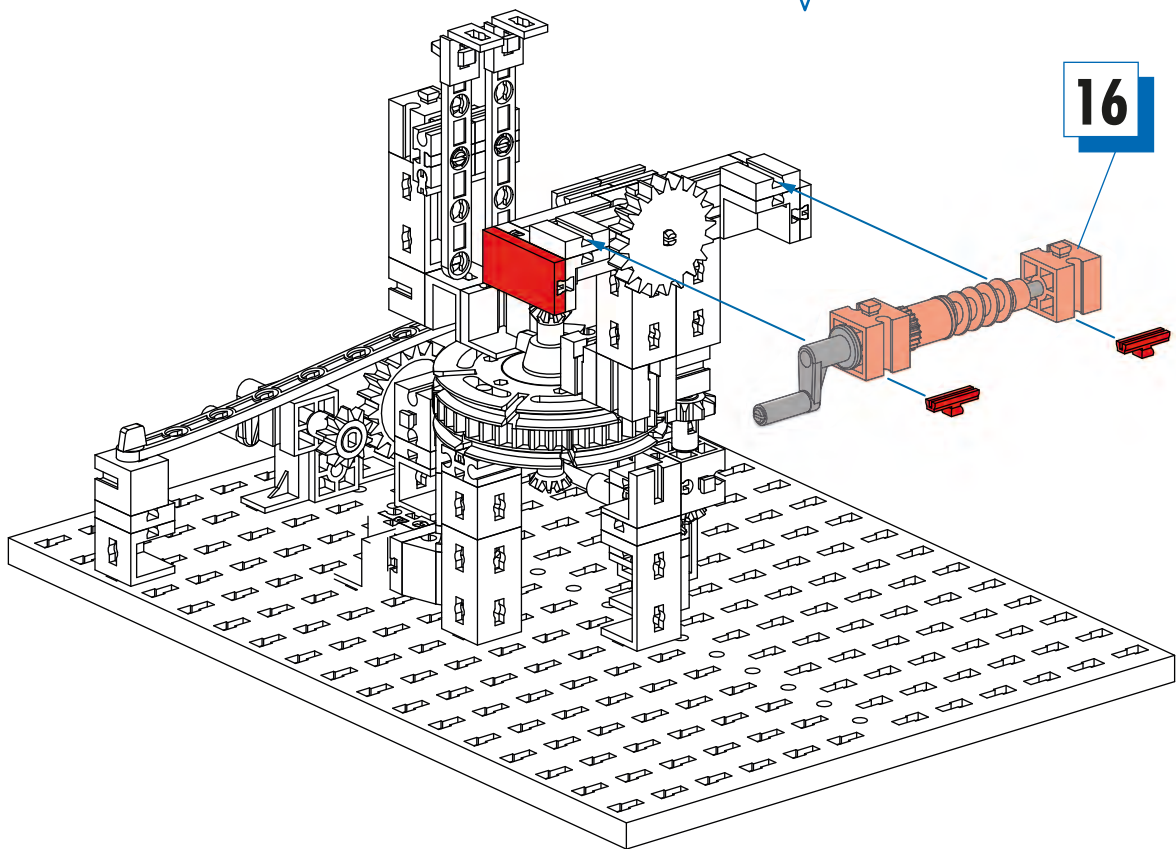






90 mm

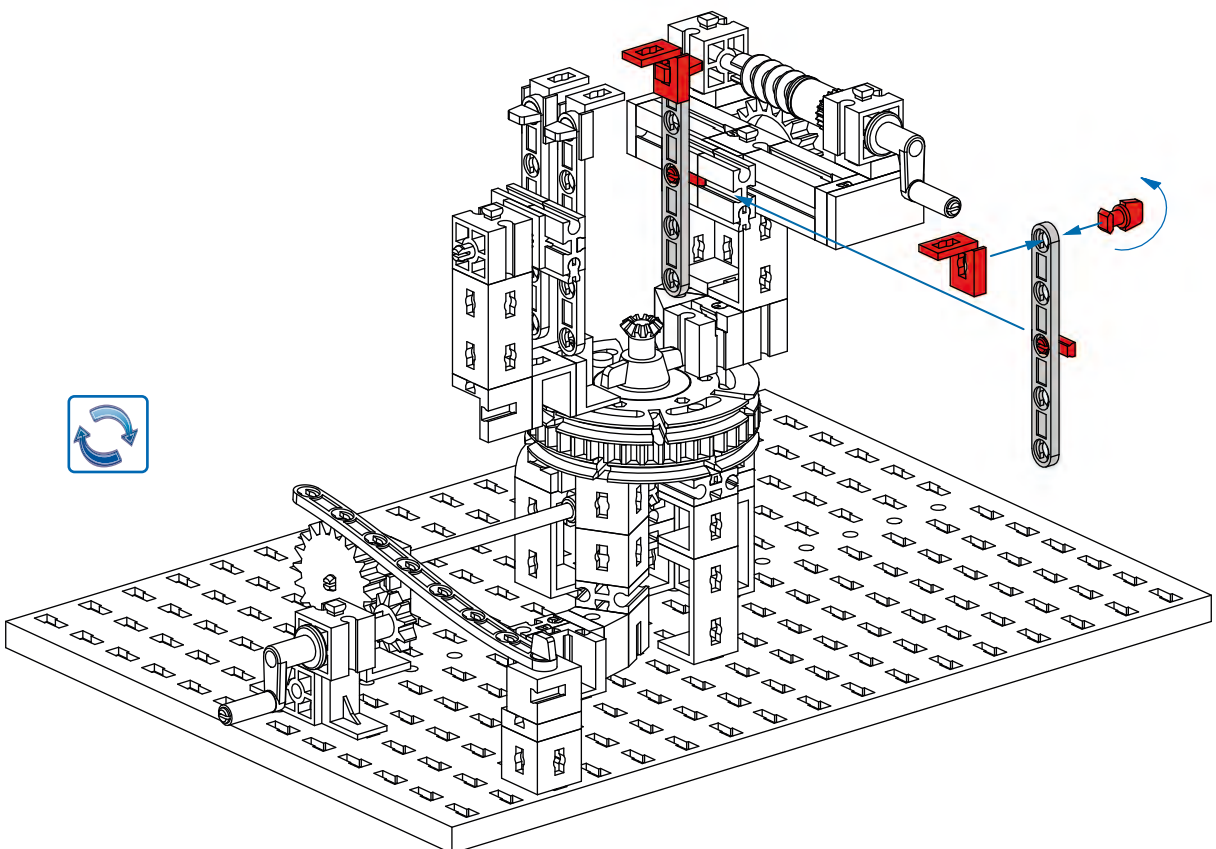


- 16**
- 1 x [Red 1x2 Technic Brick]
 - 1 x [Red Technic Pin with Friction Ridge]

17  1x  2x

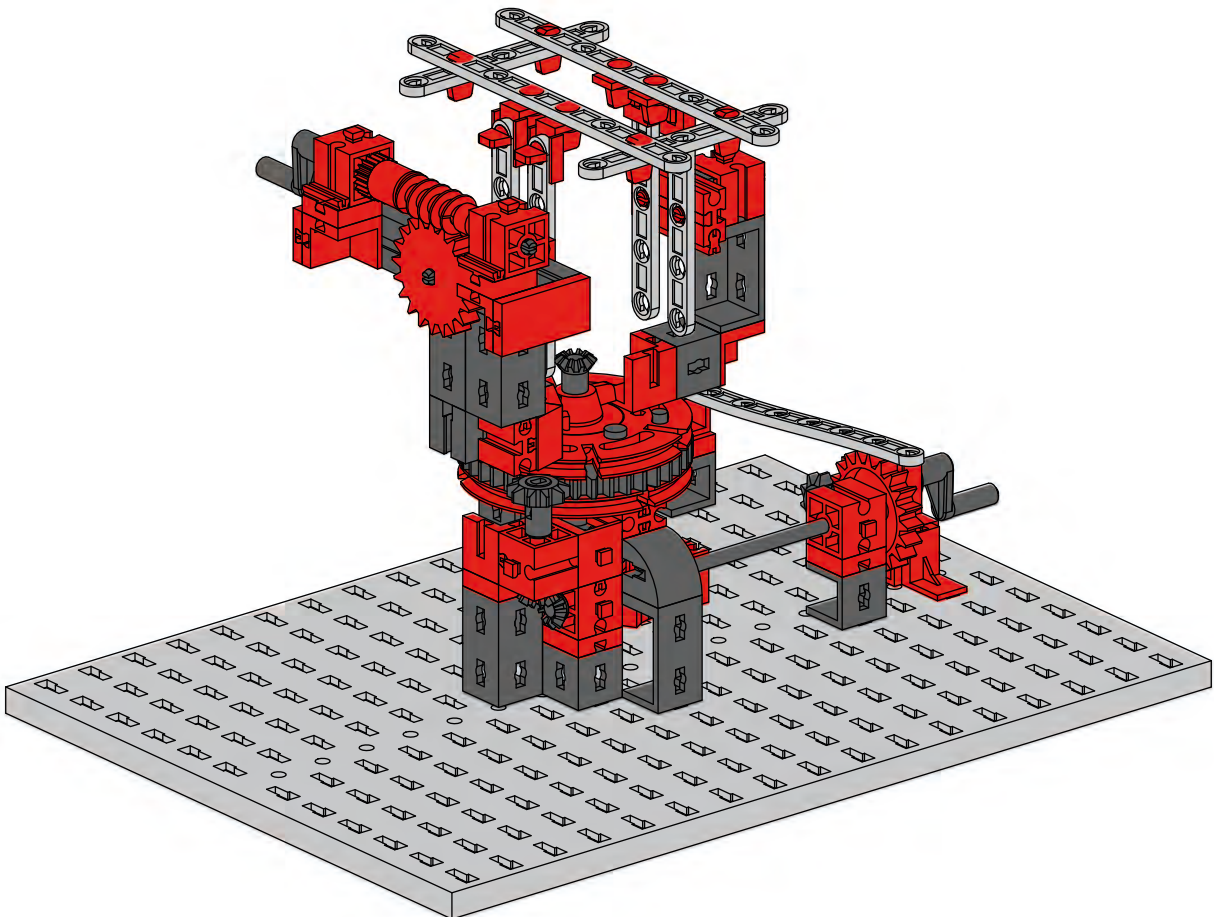
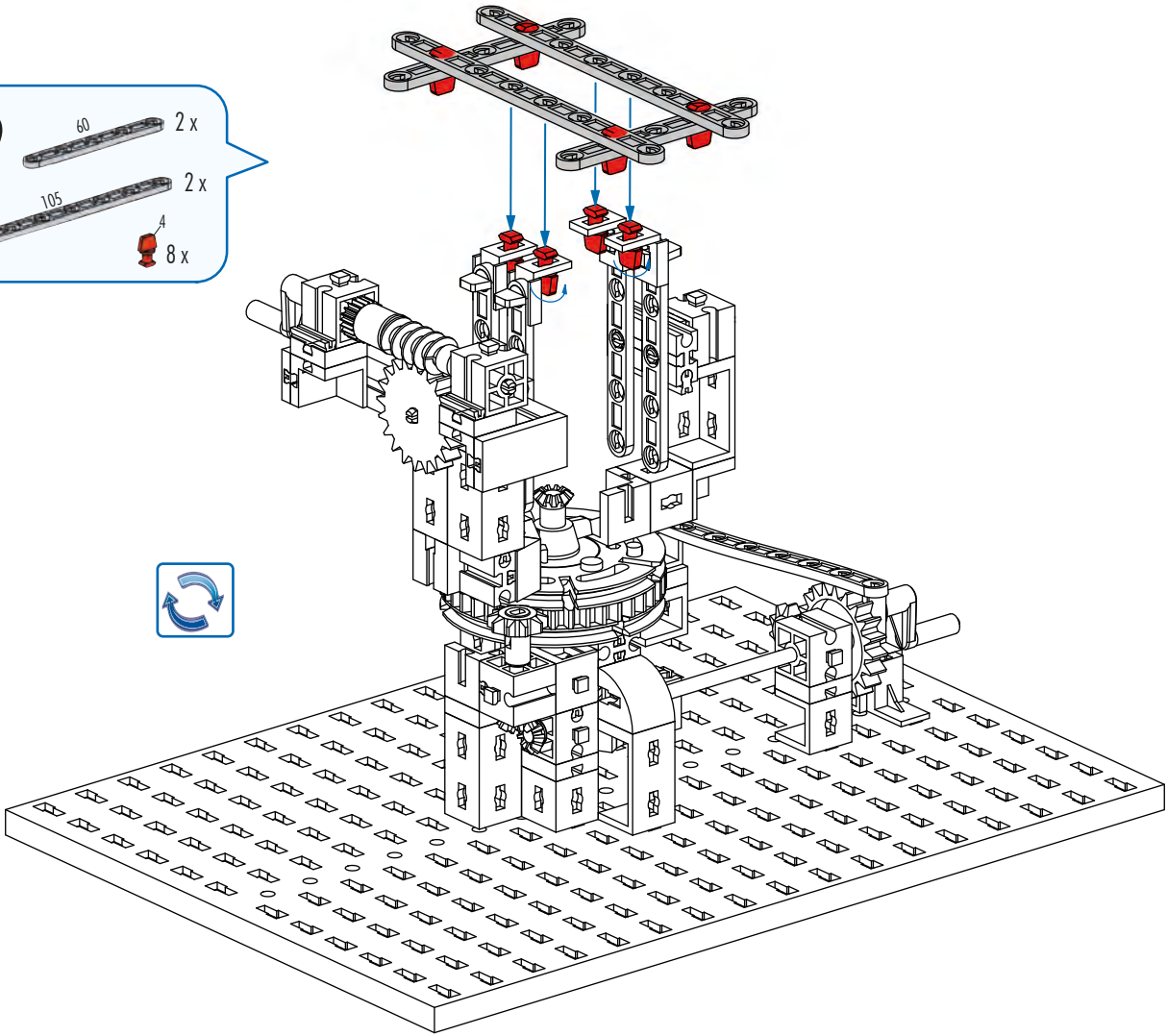


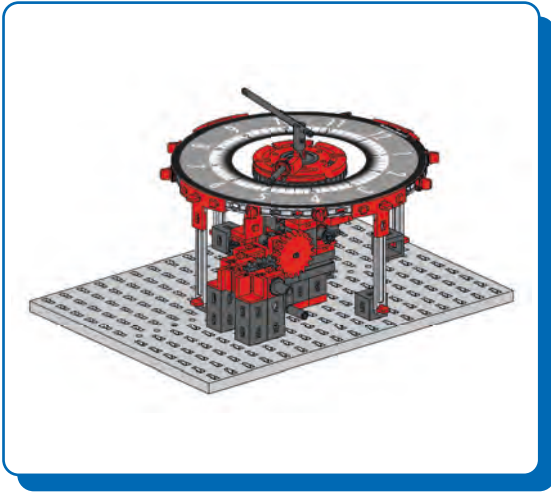
18  2x  2x
 2x  2x



19

- 60 2 x
- 105 2 x
- A 8 x

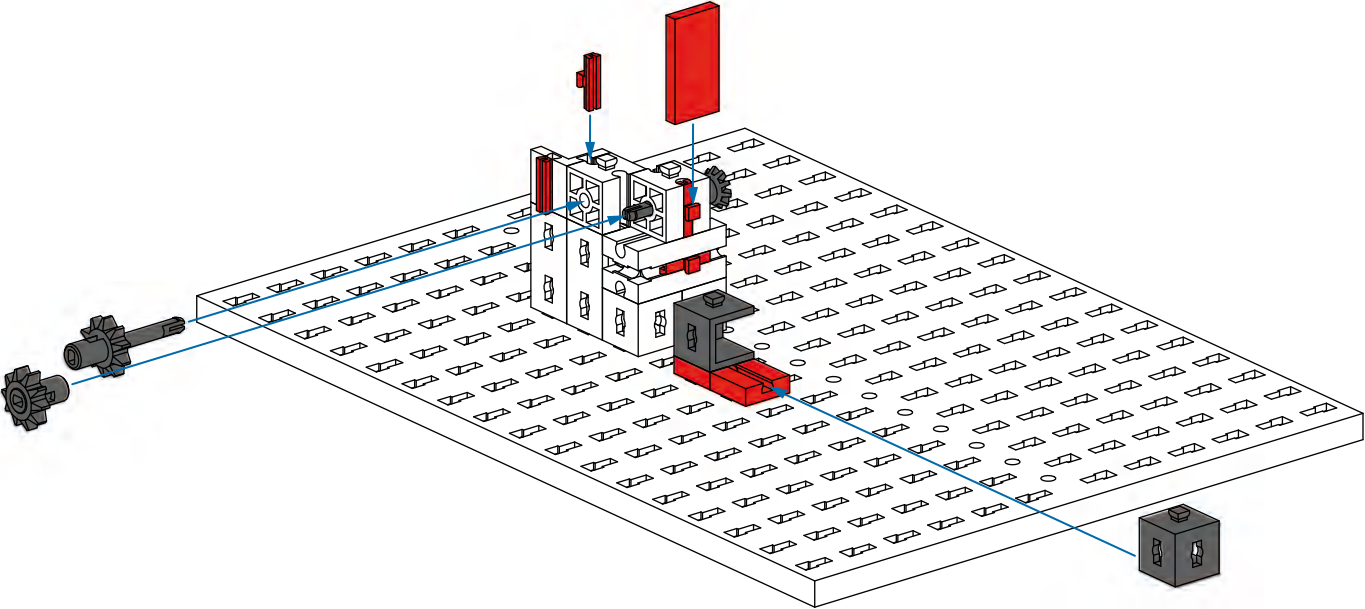
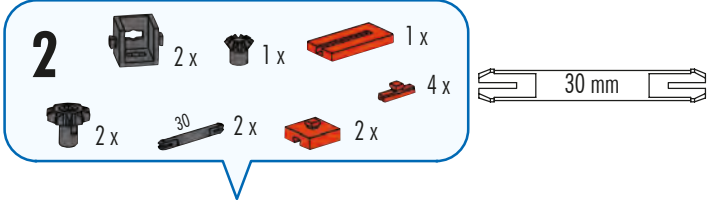
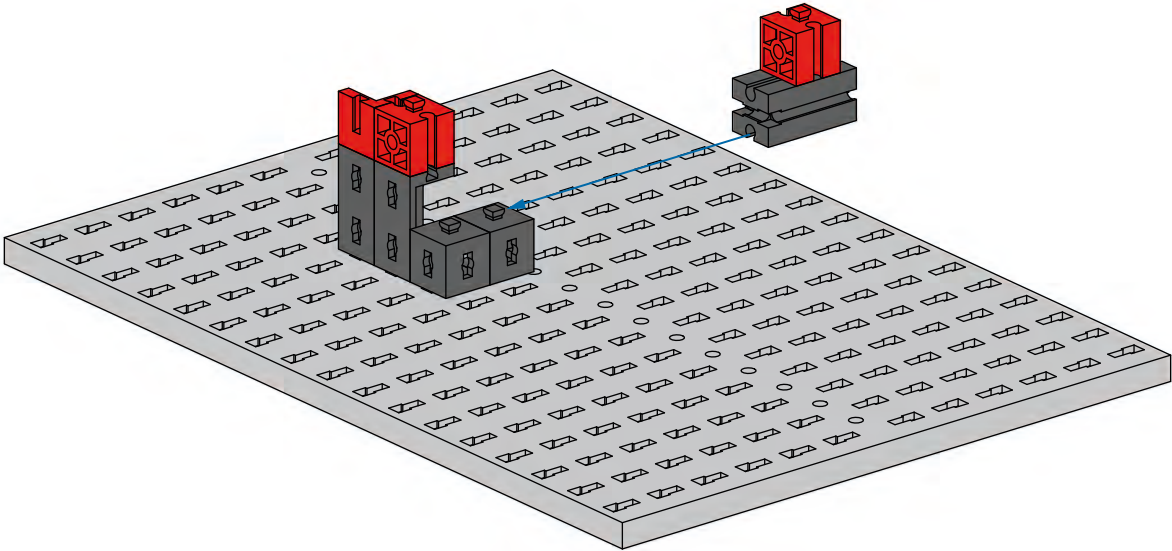
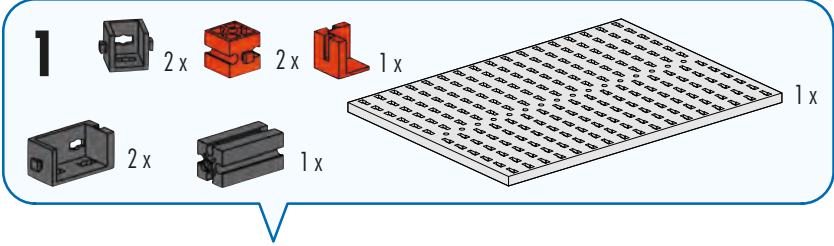




Uhrwerk
Clockworks
Mouvement

Clockwork
Reloj
Clockwork

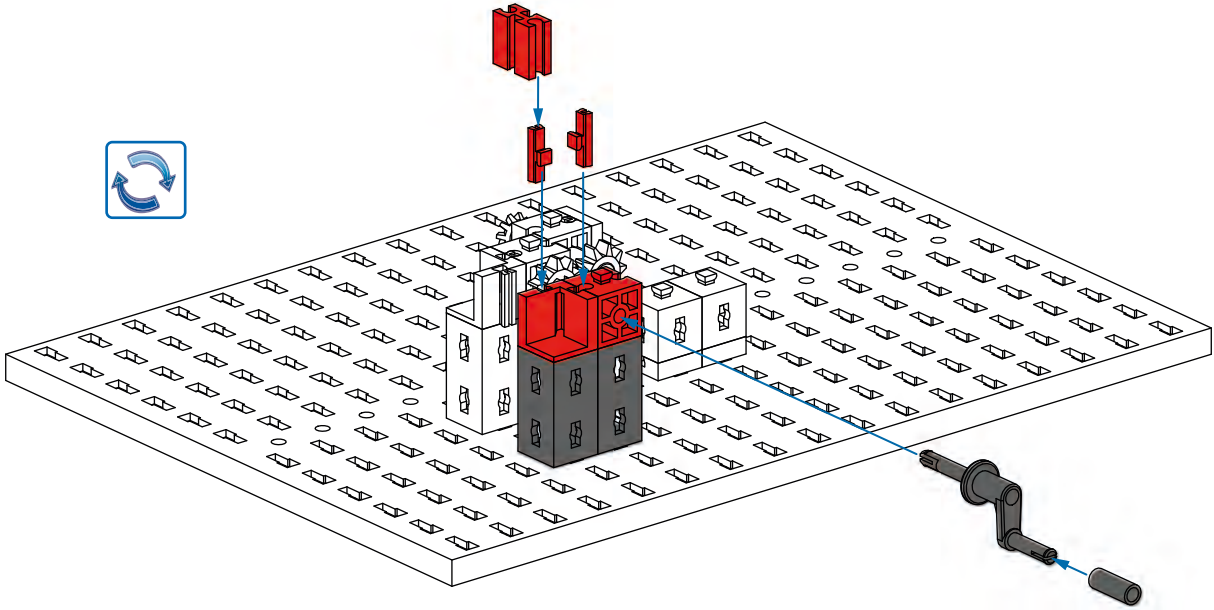
Orologio
Часовой механизм
发条



3

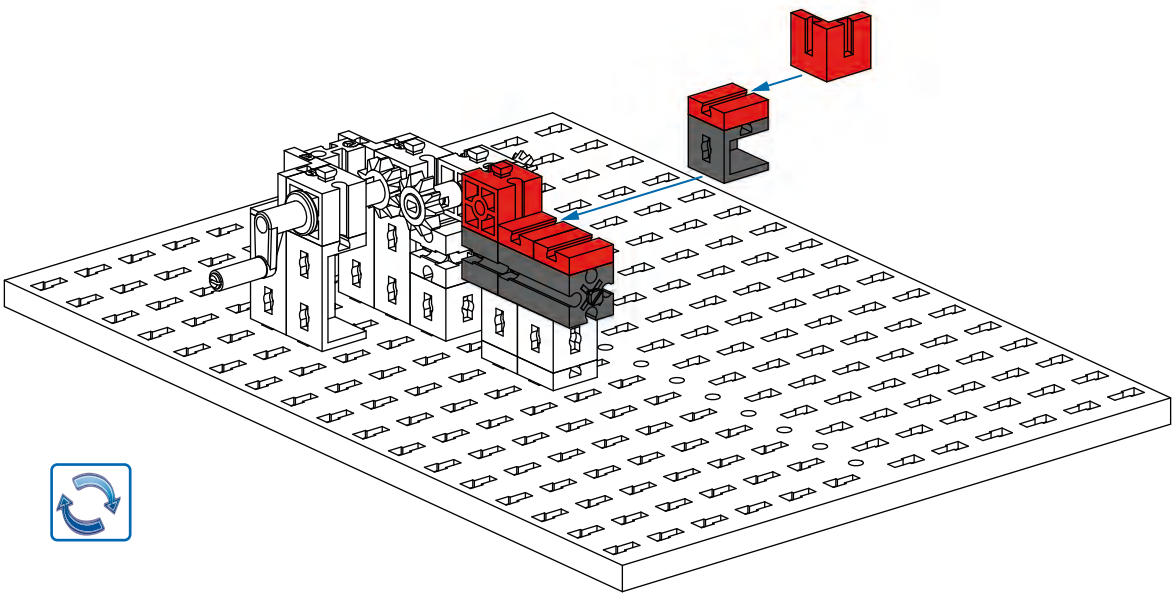
- 1x Red 2-way Technic Connector
- 1x Red L-shaped Technic Connector
- 1x Red 1x3 Technic Beam
- 2x Black 1x3 Technic Beam
- 1x Black 30mm Technic Pin
- 1x Black Technic Axle
- 2x Red 1x2 Technic Beam
- 1x Black Technic Pin

30 mm



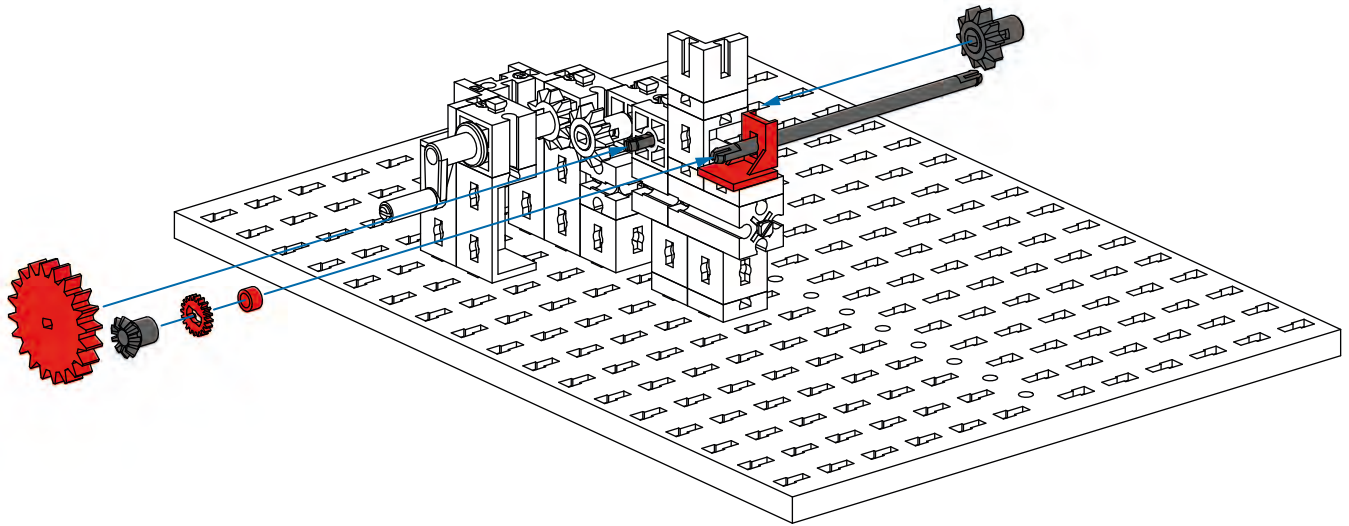
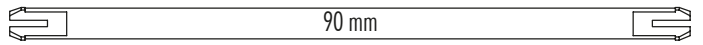
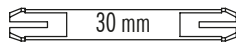
4

- 1x Red 2-way Technic Connector
- 1x Red L-shaped Technic Connector
- 3x Red 1x2 Technic Beam
- 1x Black 1x3 Technic Beam
- 1x Black 1x3 Technic Beam
- 1x Black 1x3 Technic Beam



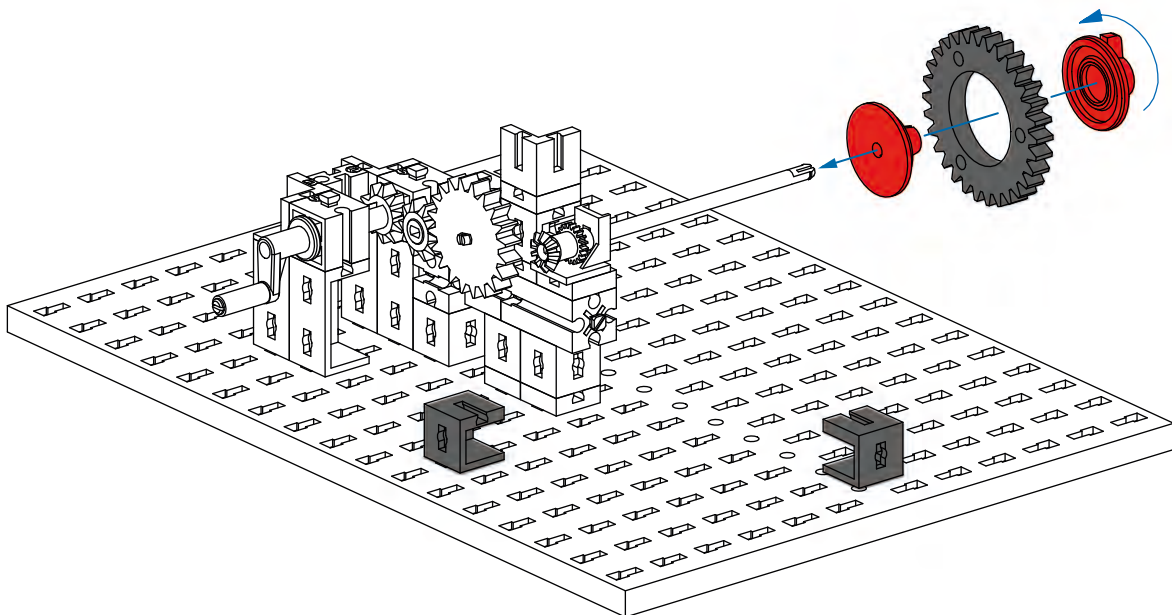
5

- 1x [Black Pin with Friction Ridge]
- 1x [Black Pin with Friction Ridge]
- 1x [Red Technic Bracket]
- 1x [Black Pin with Friction Ridge]
- 1x [Red Pin]
- 1x [Black Pin with Friction Ridge]
- 1x [Black Pin with Friction Ridge]
- 1x [Red Gear]



6

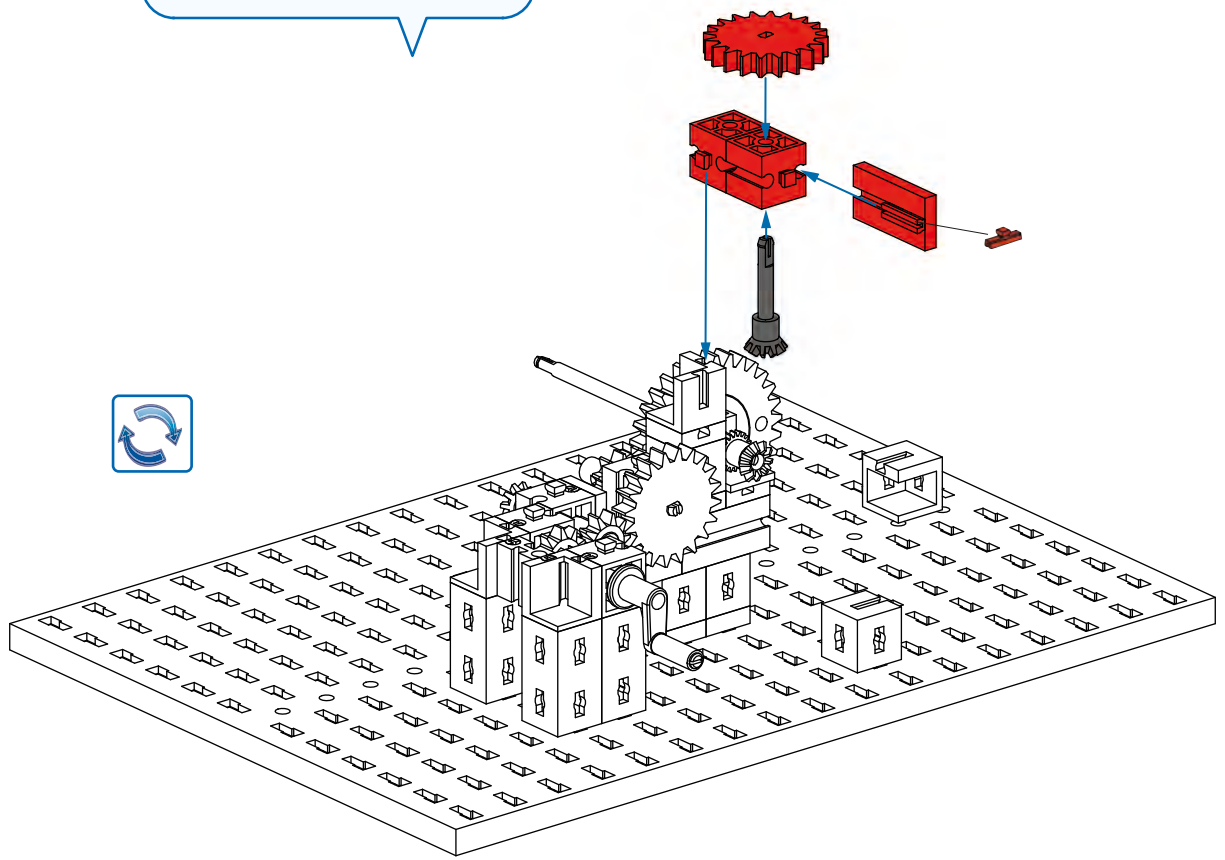
- 1x [Red Pin with Friction Ridge]
- 1x [Red Pin with Friction Ridge]
- 2x [Black Technic Bracket]
- 1x [Black Gear]



7

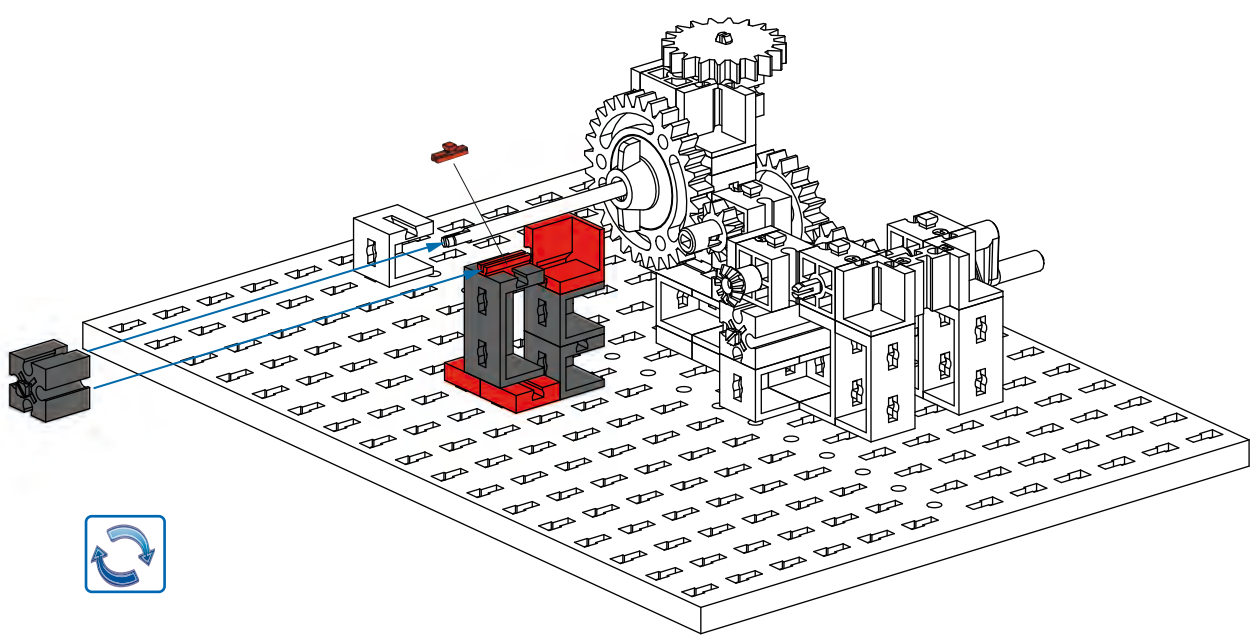
- 2x Red 1x2x2 Technic Bricks
- 1x Grey Technic Pin (30)
- 1x Red 1x2 Technic Brick
- 1x Red 1x2 Technic Brick with Hole
- 1x Red 1x2 Technic Brick with Hole
- 1x Red 1x2 Technic Brick with Hole
- 1x Red 1x2 Technic Brick with Hole

30 mm









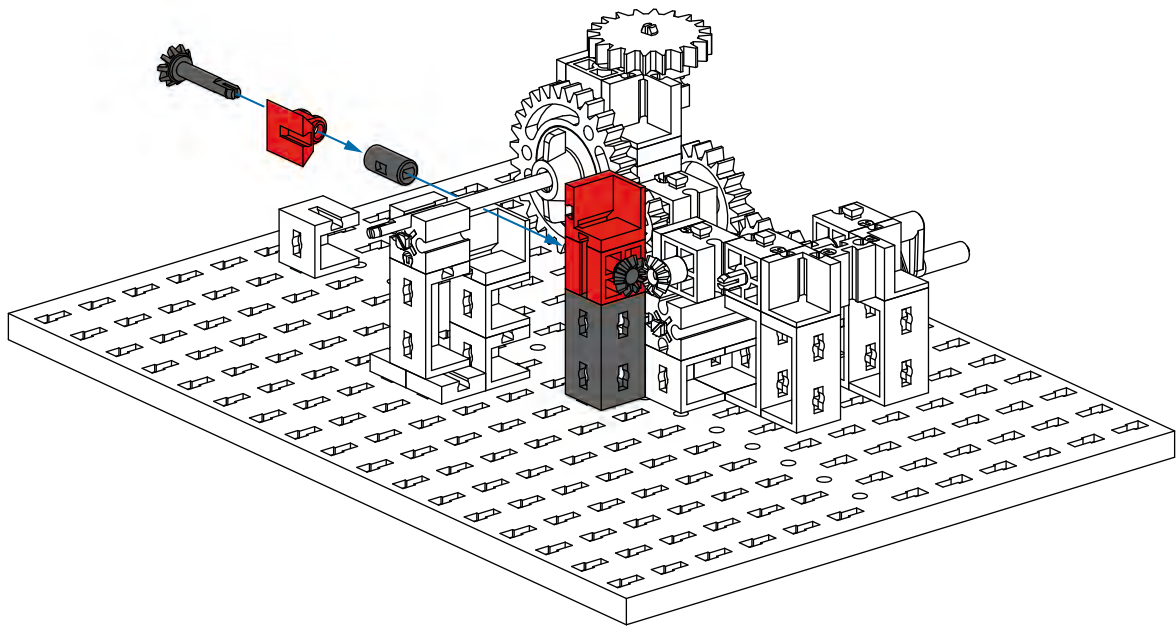
8

- 1x Grey Technic Pin
- 1x Red 1x2 Technic Brick with Hole
- 2x Red 1x2 Technic Bricks
- 1x Red 1x2 Technic Brick with Hole
- 1x Grey Technic Pin
- 1x Grey Technic Pin
- 1x Grey Technic Pin


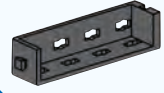



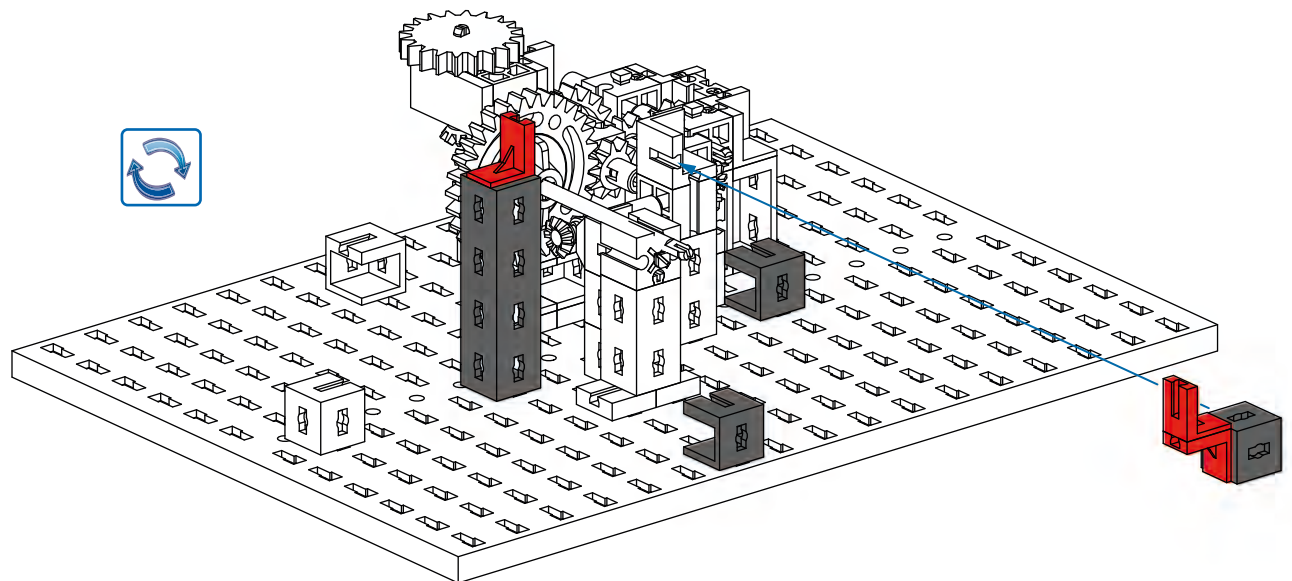
9

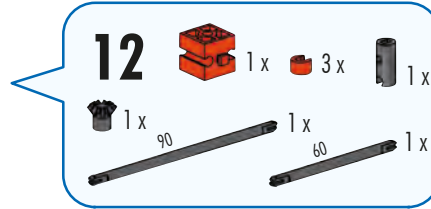
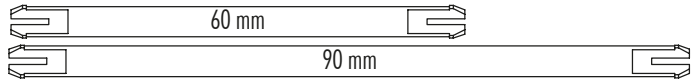
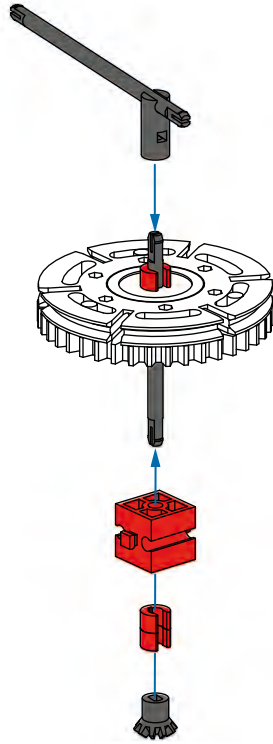
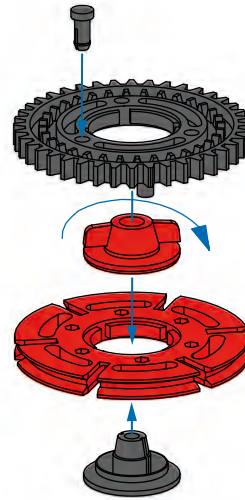
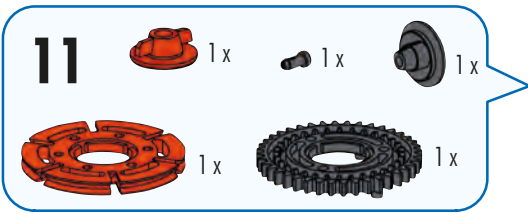
- 2x 
- 1x 
- 1x 
- 1x 
- 1x 
- 1x 



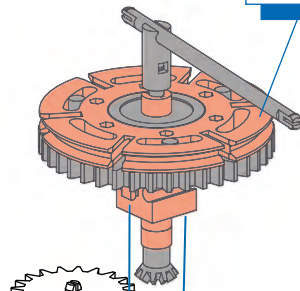
10

- 3x 
- 1x 
- 3x 

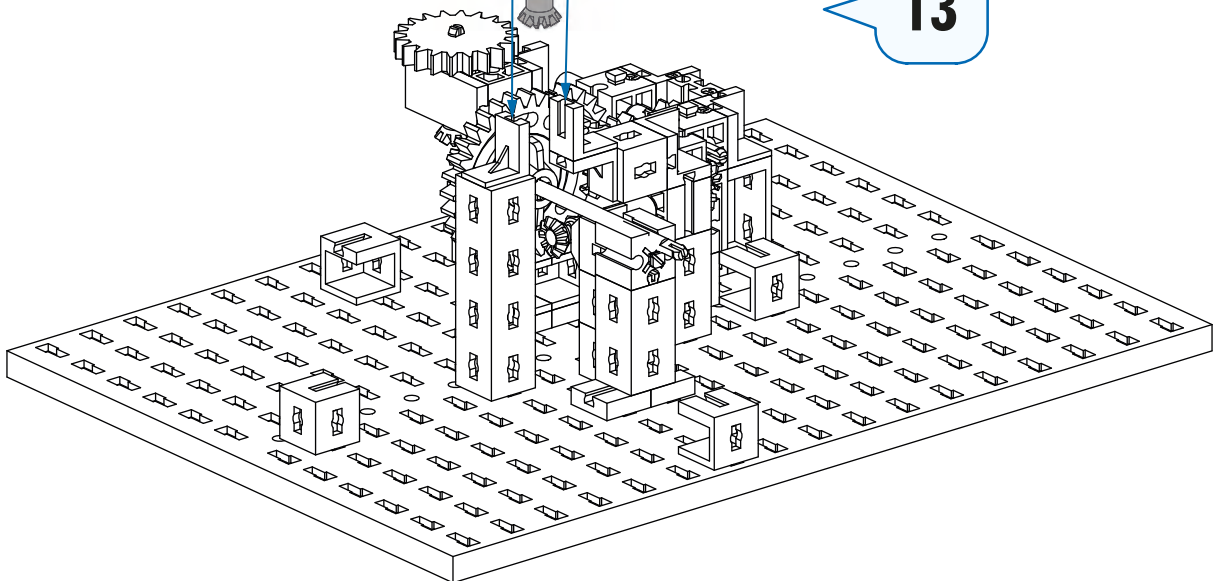







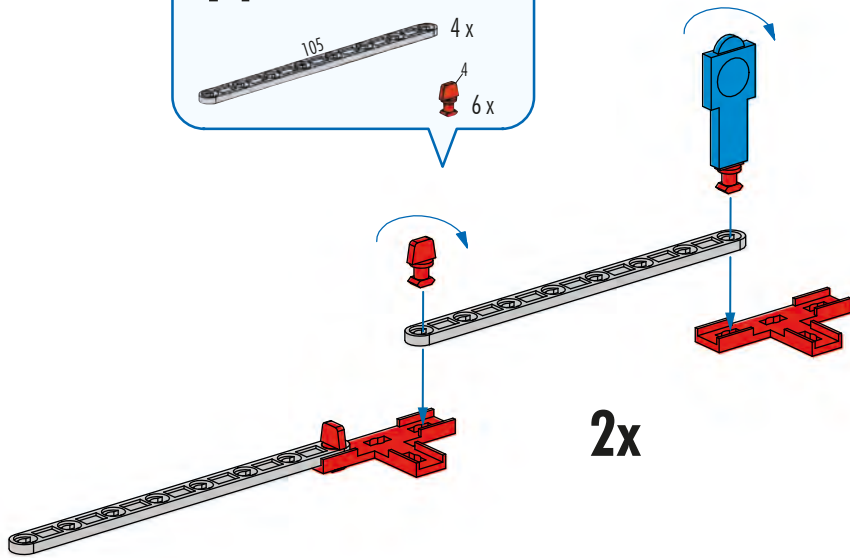
12




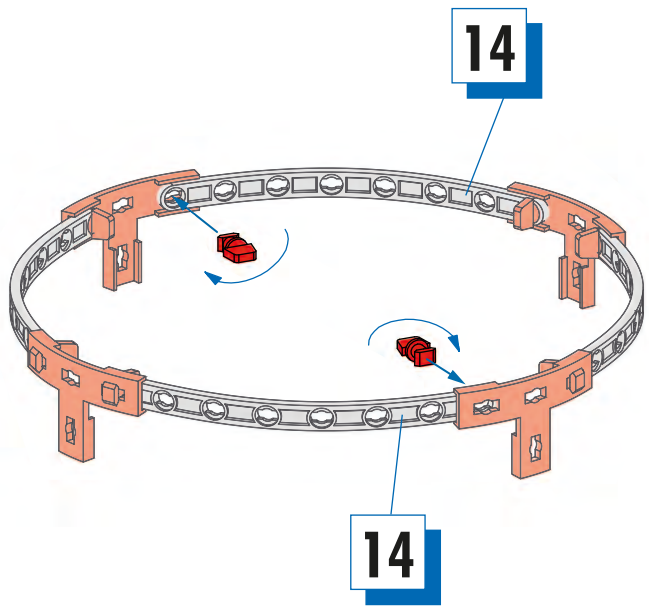
13



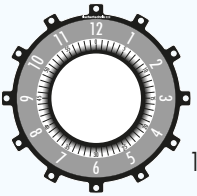


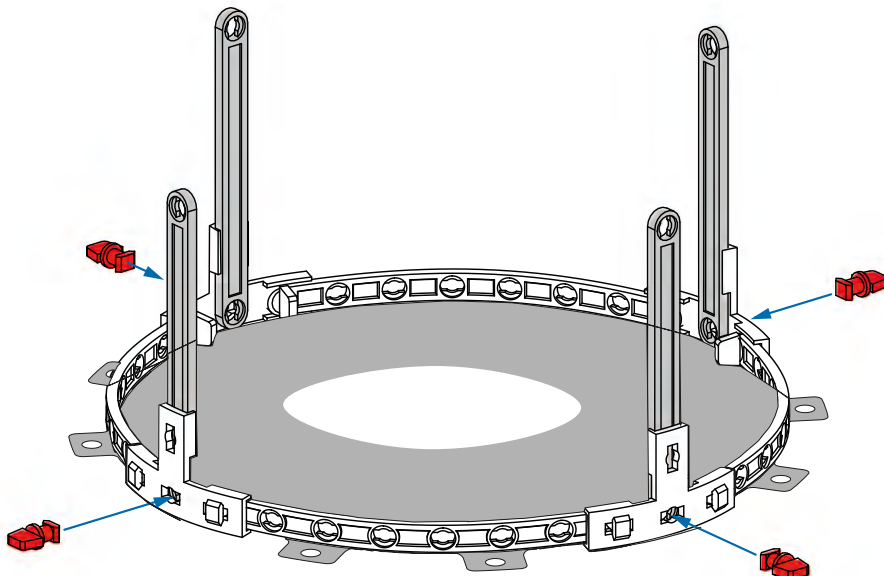
14  4 x
 4 x
 6 x



15  2 x

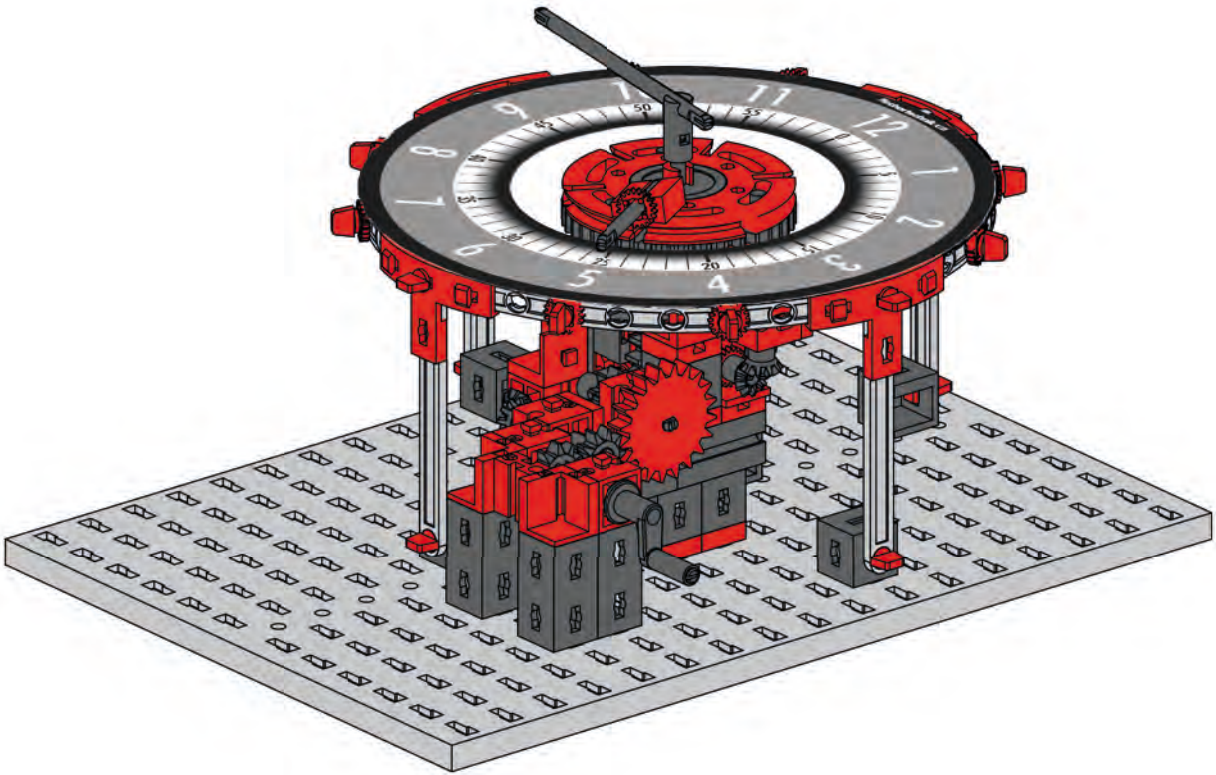
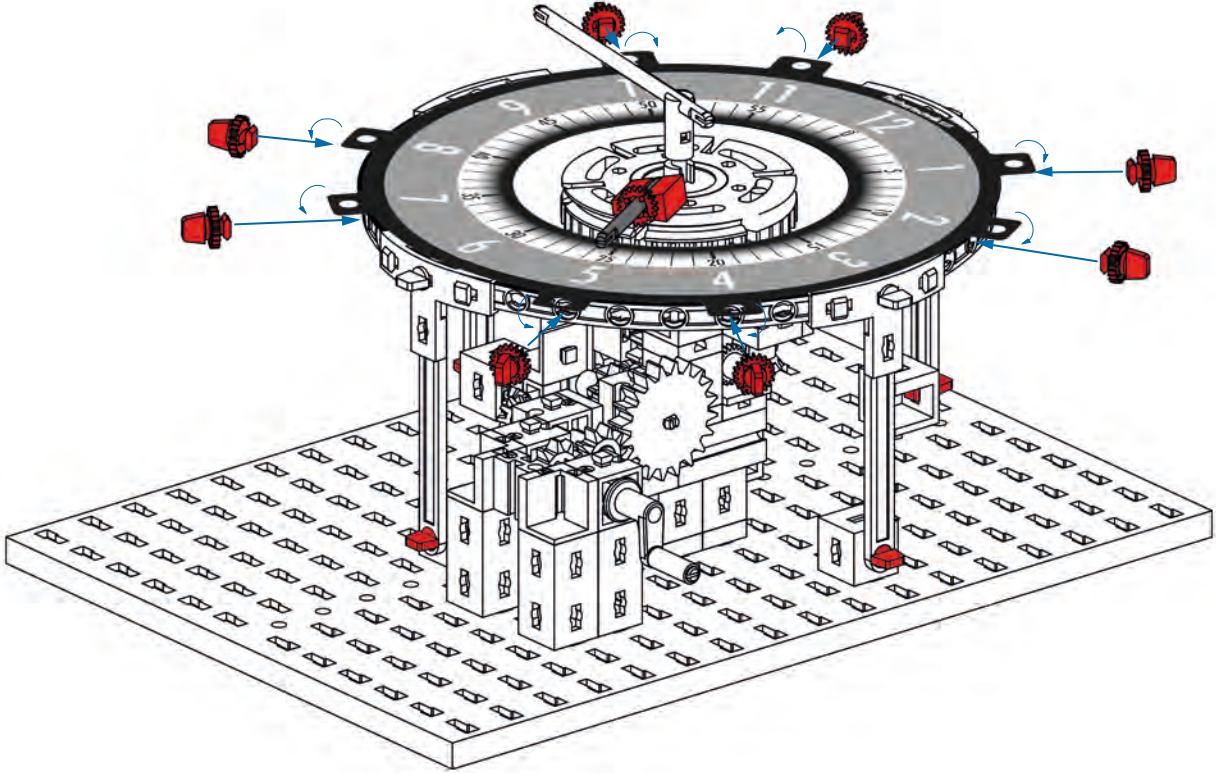
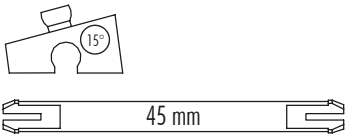


16  4 x
 4 x
 1 x



17

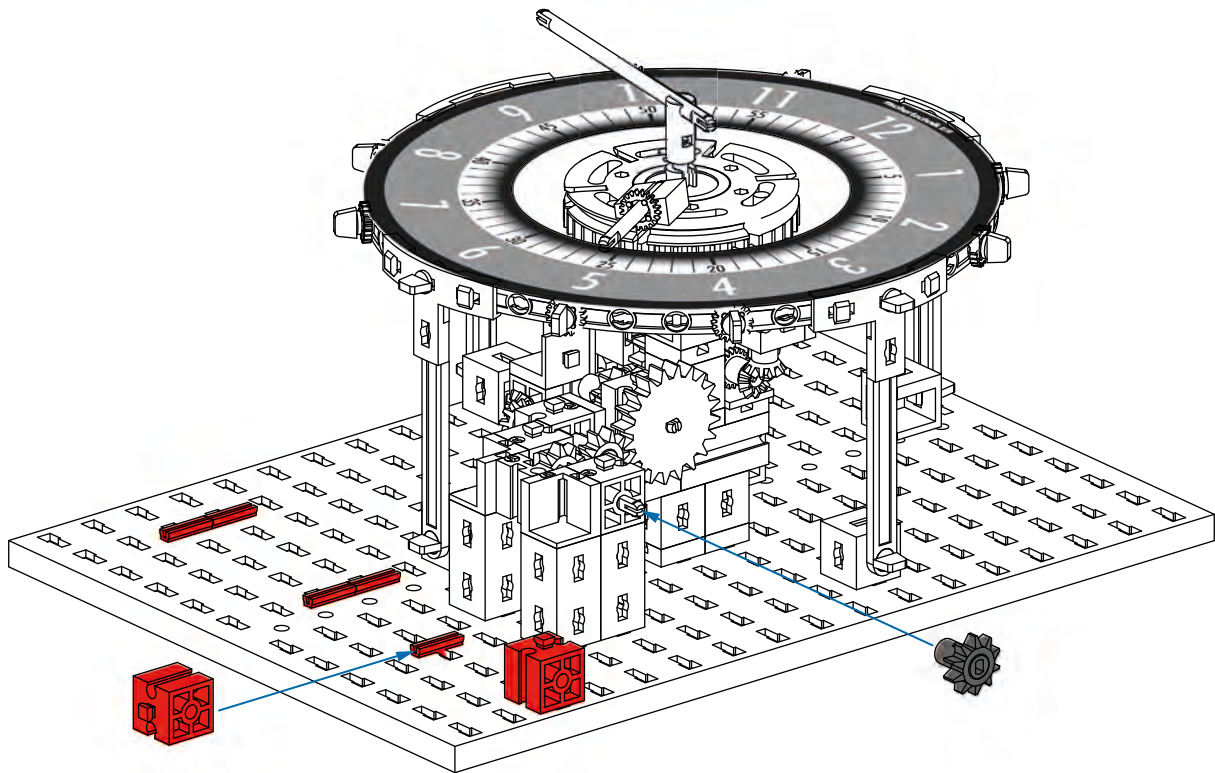
- 15° 1 x
- 9 x
- 45 1 x
- 12 x





1

- 2x
- 5x
- 1x



2

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

