



fischertechnik 

PROFI

Bauanleitung
Assembly instruction
Instructions de montage
Bouwhandleiding
Instrucciones de construcción
Manual de montagem
Istruzioni di montaggio
Инструкция по сборке
安装说明书



Didactic Information

www.fischertechnik-eLearning.com

free download



**eLearning
Portal**

Dynamic L 2

Physics I 2.0

7 MODELS



- Mit dem fischertechnik eLearning Portal geben wir Ihnen die Möglichkeit, noch mehr Hintergrundwissen zum Thema des Baukastens zu erhalten. Dabei stehen Ihnen didaktische Inhalte sowie technische Hintergrundinformationen, lehrreiche Begleitinformationen, Videos, Dokumentationen und vieles mehr zur Verfügung. Über **www.fischertechnik-elearning.com** gelangen Sie direkt zum eLearning Portal. Wir wünschen viel Spaß beim spielerischen Lernen und Entdecken mit fischertechnik!
- With the fischertechnik eLearning portal, we are giving you the opportunity to obtain even more background knowledge on the topic of the construction set. Didactic contents, technical background information, instructive accompanying information, videos, documentary films and much more are at your disposal. You can access the eLearning portal directly via **www.fischertechnik-elearning.com**. We hope that you have fun learning and discovering through play with fischertechnik!
- Avec le portail eLearning de fischertechnik, vous pouvez parfaire vos connaissances au sujet de la boîte de construction. Vous y trouverez des contenus didactiques et des informations techniques, d'autres informations complémentaires, des vidéos, de la documentation et bien plus encore. Cliquez sur **www.fischertechnik-elearning.com** pour accéder directement à notre portail. Nous vous souhaitons une découverte et un apprentissage pleins de plaisir avec fischertechnik !
- Met het fischertechnik eLearning portaal geven wij u de mogelijkheid, nog meer achtergrondkennis over het thema van het modulaire systeem te verkrijgen. Daarbij staan u didactieve inhoud alsmede technische achtergrondinformatie, educatieve begeleidende informatie, video's, documentaties en nog veel meer ter beschikking. Via **www.fischertechnik-elearning.com** komt u direct bij het eLearning portaal. Wij wensen veel plezier bij het spelenderwijs leren en ontdekken met fischertechnik!
- Con el portal de aprendizaje electrónico de fischertechnik le ofrecemos la oportunidad de obtener más conocimientos básicos sobre el tema de los módulos. De este modo, se pone a su disposición contenido didáctico, así como información básica técnica, información adicional instructiva, vídeos, documentos y muchas cosas más. A través de **www.fischertechnik-elearning.com** podrá acceder directamente al portal de aprendizaje electrónico. ¡Esperamos que se divierta aprendiendo y descubriendo jugando con fischertechnik!
- Com o portal de eLearning da fischertechnik damos lhe a possibilidade de obter ainda mais conhecimentos aprofundados sobre os kits de construção. Estão disponíveis conteúdos didáticos, informações técnicas de fundo, informações auxiliares úteis, vídeos, documentações e muito mais. Em **www.fischertechnik-elearning.com** pode aceder diretamente ao portal de eLearning. Esperamos que se divirta muito durante a aprendizagem e as descobertas com a fischertechnik!
- Con il portale eLearning di fischertechnik vi diamo la possibilità di accumulare maggiori informazioni di base sul tema delle scatole di montaggio. Vi troverete contenuti didattici e informazioni tecniche di background, informazioni accessorie molto istruttive, video, documenti e molto altro ancora. Tramite **www.fischertechnik-elearning.com** potete raggiungere direttamente il portale eLearning. Vi auguriamo buon divertimento nell'apprendere giocando e nella scoperta di fischertechnik!
- Обучающий Интернет-портал компании fischertechnik предлагает вам возможность получить больше базовых знаний по теме конструирования. В вашем распоряжении дидактические материалы, а также вводная техническая информация, поучительная сопроводительная информация, видеоматериалы, документация и многое другое. По ссылке **www.fischertechnik-elearning.com** вы попадаете прямо на обучающий Интернет-портал. Желаем вам приятно провести время в ходе игрового обучения и получения новых знаний с компанией fischertechnik!
- 通过 fischertechnik eLearning 电子学习门户网站，我们为您提供更多关于积木的背景知识。您可获得关于教学内容以及技术方面的背景知识、丰富的教学经验分享、视频、文档和其他实用内容。登陆 **www.fischertechnik-elearning.com** 访问我们的 elearning 门户网站。祝 fischertechnik 带给您更多学习和探索的乐趣！

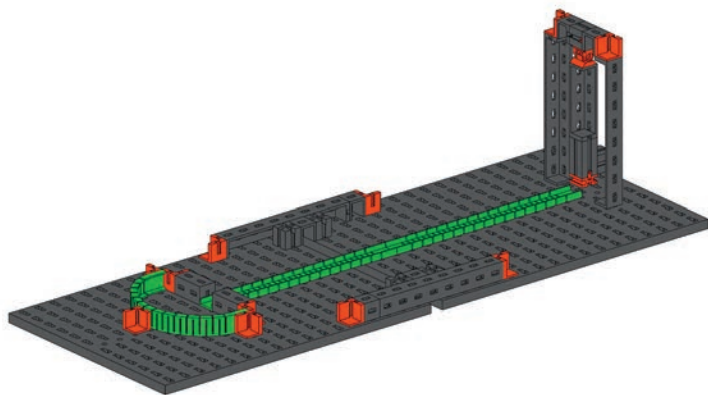
Inhalt
Contents
Contenu

Inhoud
Contenido
Conteúdo

Contenuto
Содержание
目录

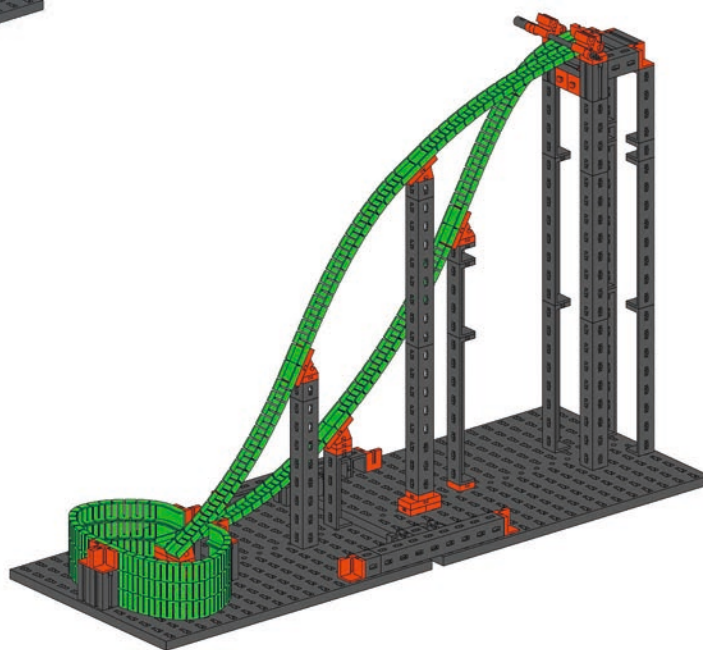
Einzelteilübersicht / Spare parts list / Liste des pièces détachées / Onderdelenoverzicht / Lista da peças / Resumo de peça individual /
Singoli componenti / Перечень деталей / 零件概览 3

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 4

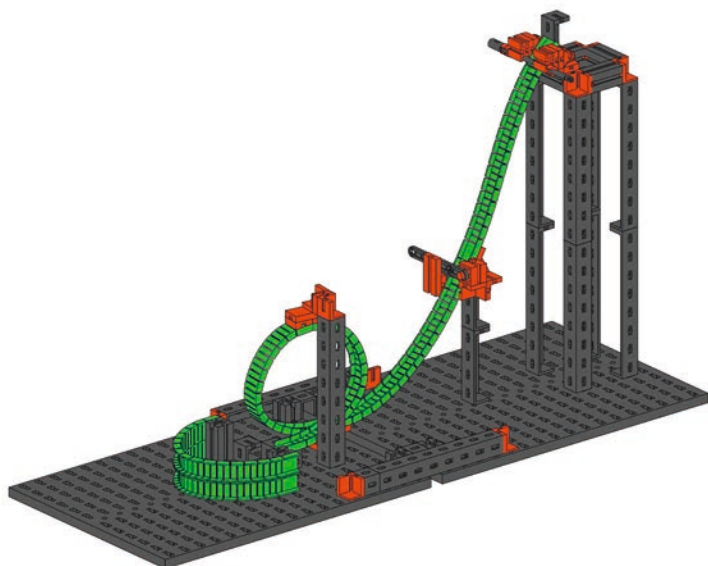


Versuchsmodell 1: ebene Bahn / Model for experiment 1: level track /
Maquette d'essai 1: trajectoire plane / Testmodel 1: vlakke baan /
Modelo de ensayo 1: carril nivelado / Modelo experimental 1: faixa plana /
Modello sperimentale 1: pista piatta / Модель для опыта:
ровный путь / 实验模型 1: 平轨道6

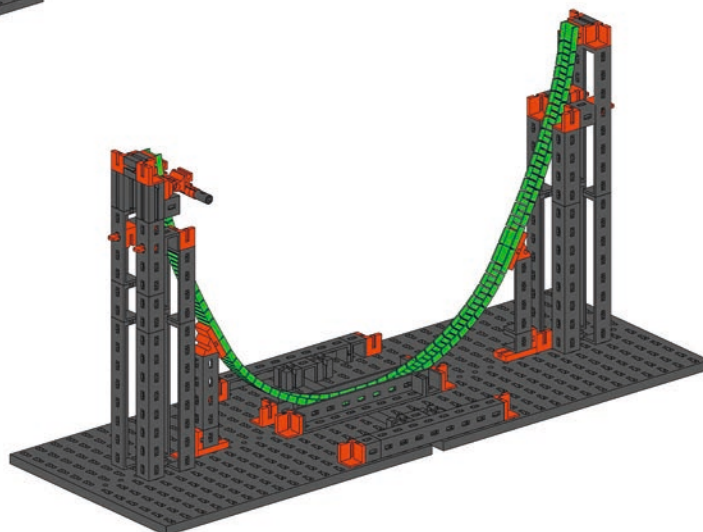
Versuchsmodell 2: Beschleunigungen / Model for experiment 2: acceleration /
Maquette d'essai 2: accélérations / Testmodel 2: versnellingen /
Modelo de ensayo 2: aceleraciones / Modelo experimental 2: acelerações /
Modello sperimentale 2: accelerazioni / Модель для опыта 2:
ускорения / 实验模型 2: 加速9



Versuchsmodell 3: Looping / Model for experiment 3: looping / Maquette
d'essai 3: looping / Testmodel 3: looping / Modelo de ensayo 3: looping /
Modelo experimental 3: looping / Modello sperimentale 3: loop /
Модель для опыта 3: мёртвая петля / 实验模型 3: 环绕19



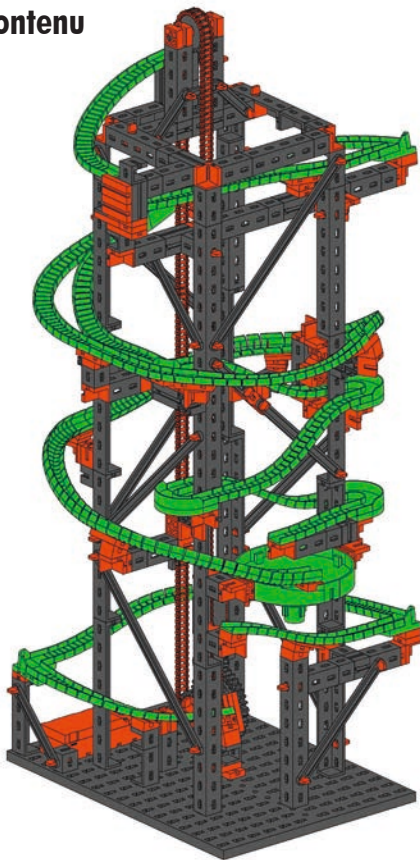
Versuchsmodell 4: Halfpipe / Model for experiment 4: half pipe / Maquette
d'essai 4: half-pipe / Testmodel 4: halfpipe / Modelo de ensayo 4: medio cilindro /
Modelo experimental 4: halfpipe / Modello sperimentale 4: halfpipe /
Модель для опыта 4: хаф-пайп / 实验模型 4: 半管道23



Inhalt
Contents
Contenu

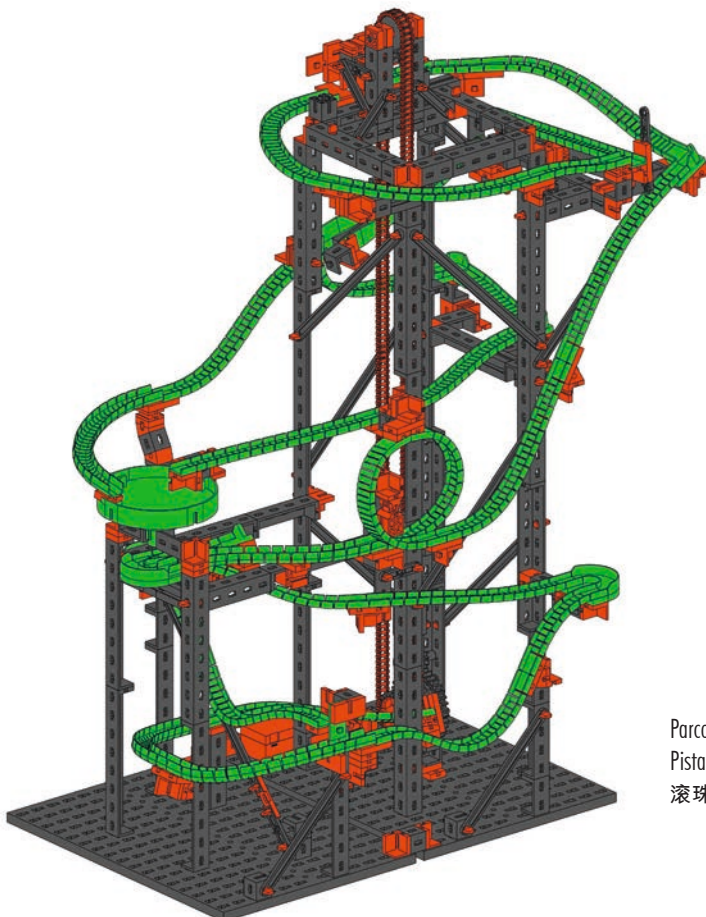
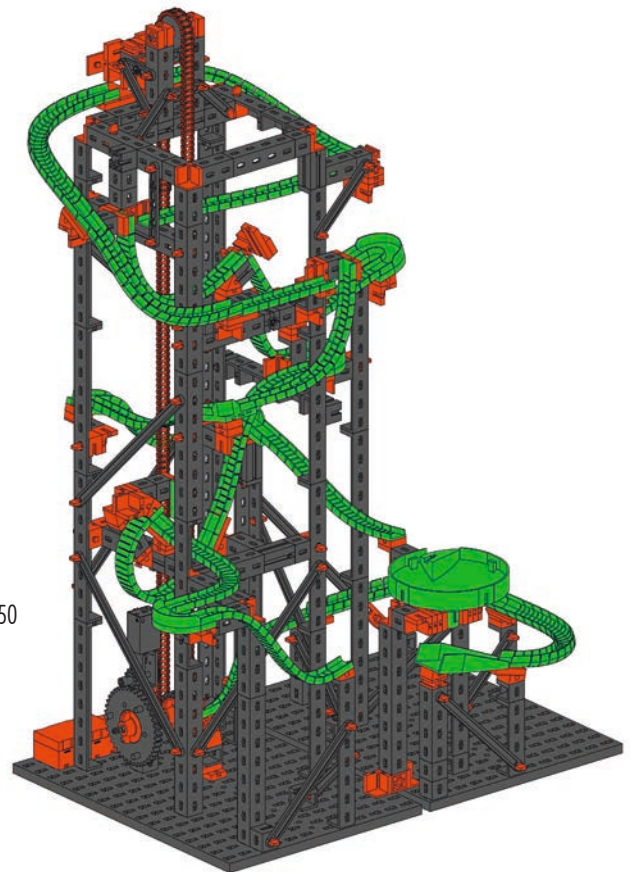
Inhoud
Contenido
Conteúdo

Contenuto
Содержание
目录



Parcours 1 / Obstacle course 1 / Parcours 1 / Parcours 1 /
 Pista de recorrido 1 / Circuito 1 / Circuito 1 / Маршрут 1 /
 滚珠弯道 1 32

Parcours 2 / Obstacle course 2 / Parcours 2 / Parcours 2 /
 Pista de recorrido 2 / Circuito 2 / Circuito 2 / Маршрут 2 /
 滚珠弯道 2 50



Parcours 3 / Obstacle course 3 / Parcours 3 / Parcours 3 /
 Pista de recorrido 3 / Circuito 3 / Circuito 3 / Маршрут 3 /
 滚珠弯道 3 74

Einzelteilübersicht
Spare parts list
Liste des pièces détachées

	19 316 4 x
	31 010 2 x
	31 011 7 x
	31 021 1 x
	31 022 1 x
	31 058 2 x
	31 060 2 x
	31 078 1 x
	31 082 1 x
	31 336 2 x
	31 337 2 x
	31 426 2 x
	31 436 2 x
	31 597 1 x
	31 668 1 x
	31 690 1 x
	31 779 1 x

Onderdelenoverzicht
Lista da piezas
Resumo de peça individual

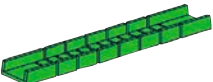

	31848 2 x
	31981 7 x
	31982 16 x
	32064 12 x
	32071 13 x
	32321 1 x
	32850 7 x
	32870 2 x
	32879 8 x
	32881 6 x
	32985 2 x
	35031 2 x
	35049 23 x
	35057 2 x
	35066 1 x
	35073 1 x
	35945 1 x

	35969 2 x
	36248 254 x
	36293 24 x
	36323 53 x
	36324 6 x
	36334 6 x
	36370 4 x
	36443 1 x
	36912 5 x
	36920 30 x
	36921 13 x
	36922 27 x
	36950 15 x
	36952 1 x
	36973 18 x
	36977 1 x
	37237 20 x

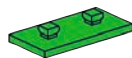

Singoli componenti
Перечень деталей
零件概览

	37468 14 x
	37679 5 x
	38240 58 x
	38241 4 x
	38246 1 x
	38415 1 x
	38423 1 x
	38428 13 x
	119753 8 x
	119850 4 x
	135719 1 x
	137096 1 x
	143234 17 x
	144262 8 x
	151715 4 x
	151716 1 x
	151717 1 x

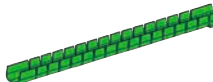
Montagetipps
Tips for assembly
Tuyaux pour le montage

	155 901 8 x
	155 902 1 x

Montagetips
Consejos para el montaje
"Dicas" para montagem

	156 504 1 x
	158 962 3 x

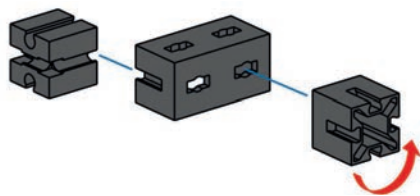
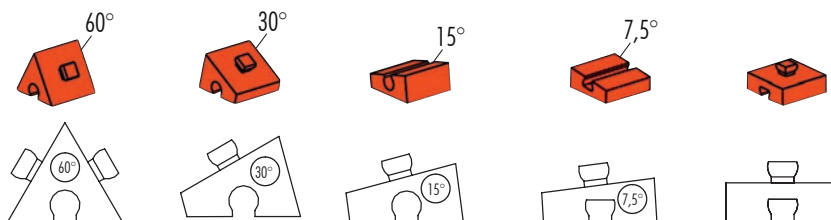
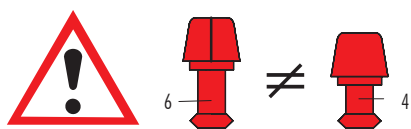
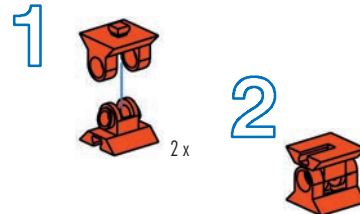
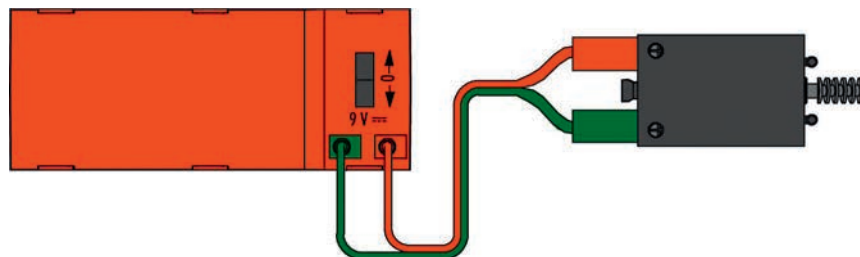
Consigli per il montaggio
Советы по сборке
装配建议

	159 783 4 x		

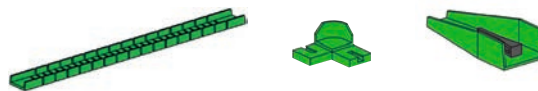
Kabel und Stecker
 Plugs and cables
 Fiches et des câbles

Stekkers en cables
 Enchufes en cables
 Cabos e contatos

Cavi e connettori
 Провода и штекеры
 电缆和插头



Erfinder Flexprofil 143 234,
 Entwickler 90° Kurve 151 715 und Wechselweiche 151 716+151 717



Design und Konzeption Andreas Lehrberger

Sicherheitshinweise
Safety Information
Consignes de sécurité

- 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.

Veiligheidsrichtlijnen
Indicaciones de seguridad
Observações sobre segurança

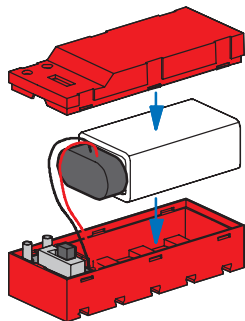
- Caso necessário, todas as peças individuais, especialmente peças móveis, tem que ser submetidas à manutenção e ser limpadas.
- Se necessario, tutti i singoli componenti, soprattutto le parti mobili, si devono eventualmente sottoporre a manutenzione e pulizia.
- Все детали, особенно подвижные, требуют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

Informazioni per la sicurezza
Указания по технике безопасности
安全指南

Sicherheitshinweise Safety Information Consignes de sécurité

Veiligheidsrichtlijnen Indicaciones de seguridad Observações sobre segurança

Informazioni per la sicurezza Указания по технике безопасности 安全指南



Batterie ist nicht Inhalt der Packung
Battery not included
Batterie non comprise
De batterij wordt niet meegeleverd
La batería no está incluida en el suministro
A bateria não é o conteúdo da embalagem
La batteria non è inclusa nella confezione
Батарея в комплект не входит
包装中不含电池

1 Batterie 9Volt-Block Alkaline

- Nicht wiederaufladbare Batterien dürfen nicht geladen werden
- Aufladbare Batterien dürfen nur von Erwachsenen geladen werden
- Aufladbare Batterien sind aus dem Spielzeug herauszunehmen, bevor sie geladen werden.
- Batterien müssen mit der richtigen Polarität eingelegt werden.
- Leere Batterien müssen aus dem Spielzeug herausgenommen werden
- Die Anschlussklemmen dürfen nicht kurzgeschlossen werden.
- Verbrauchte Batterien dem Sondermüll zuführen.
- Drähte nicht in Steckdose einführen!
- Ladegerät regelmäßig auf Schäden überprüfen. Bei einem Schaden darf das Ladegerät bis zur vollständigen Reparatur nicht mehr verwendet werden.

9V rechargeable battery

- Do not attempt to charge NON-rechargeable batteries.
- Rechargeable batteries are only to be charged by adults.
- Take rechargeable batteries out of the battery tray before charging them.
- Insert batteries with the correct polarity.
- Remove dead batteries from the toy.
- Do not short circuit the connecting terminals!
- Discard spent dry cells at special waste disposal centre.
- Do not insert the wires into an outlet!
- Regularly inspect battery charger for damage. If the battery charger has been damaged, it should not be used further until fully repaired.

pile 9V

- Il est interdit de recharger des piles qui ne sont pas des accumulateurs
- Le chargement des accumulateurs doit toujours se faire par des adultes
- Retirer les accumulateurs du support de pile avant de les recharger.
- Veiller à la polarité correcte lors de la mise en place des piles.
- Retirer impérativement les piles ou accumulateurs vides du jouet.
- Il est interdit de court-circuiter les bornes de raccordement.
- Jeter les piles usagées dans un conteneur spécial réservé à cet effet.
- Ne pas introduire les fils dans une prise !
- Contrôlez régulièrement le chargeur en vue d'éventuelles détériorations
- En cas de détérioration, il est interdit d'utiliser le chargeur jusqu'à ce qu'il ait été intégralement réparé

alkaline batterije

- Niet-oplaadbare batterijen mogen niet worden opgeladen.
- Oplaadbare batterijen mogen uitsluitend door volwassenen worden opgeladen.
- Oplaadbare batterijen moeten uit de batterijhouder worden verwijderd, voordat deze worden opgeladen.
- De batterijen moeten met de juiste polariteit worden geplaatst.
- Leg de batterijen moeten uit het speelgoed worden verwijderd.
- De aansluitklemmen mogen niet worden kortgesloten.
- Afleveren gebruikte batterijen bij het klein chemisch afval (KCA).
- Leed draden in de contactdoos steken!
- Laadtoestel regelmatig controleren op schade. Bij schade mag het laadtoestel niet meer gebruikt worden tot het volledig hersteld is.

pila alcalina bloque de 9 Voltios

- Las pilas no recargables no pueden ser cargadas
- Las pilas recargables sólo pueden ser cargadas por un adulto
- Las pilas recargables deben ser extraídas del compartimiento de pilas antes de que sean cargadas.
- Las pilas deben ser colocadas con la polaridad correcta.
- Las pilas descargadas deben ser extraídas del juguete
- Las pilas de conexión no pueden ser puestos en cortocircuito.
- Retirar las baterías viejas, desechándolas en un depósito de basuras especiales.
- No introducir hilos en la toma de corriente!
- Comprobar con regularidad si el cargador presenta daños. En caso de presentar daños, el cargador no debe volver a ser utilizado hasta que esté completamente reparado.

Bateria alcalina de bloco de 9 V

- Pilhas não recarregáveis não devem ser novamente carregadas.
- Pilhas recarregáveis somente devem ser recarregadas por adultos.
- Pilhas recarregáveis devem ser retiradas do compartimento de pilhas antes de serem carregadas.
- As pilhas devem ser colocadas com a polaridade correta.
- As pilhas descarregadas devem ser retiradas do brinquedo.
- Os terminais de conexão não devem ser curto-circuitados.
- Eliminar as baterias esgotadas como desperdício perigoso
- Nunca introduzir fios na tomada!
- Verificar regularmente se o carregador apresenta danos. Em caso de dano, o carregador não deverá ser utilizado enquanto não estiver plenamente consertado.

1 batteria alcalina da 9 V

- Le batterie non ricaricabili non devono essere ricaricate
- Le batterie ricaricabili devono essere ricaricate da persone adulte
- Le batterie ricaricabili si devono estrarre dal supporto prima di ricaricarle.
- Le batterie si devono inserire rispettando la polarità.
- Togliere le batterie dal giocattolo quando sono scariche
- I morsetti di allacciamento non devono essere cortocircuitati.
- Smaltire le batterie usate negli appositi contenitori per la raccolta differenziata.
- Non inserire i fili nella presa elettrica.
- Controllare periodicamente se il caricabatterie presenta dei danni. In caso di danni, il caricabatterie non deve più essere utilizzato fino alla riparazione.

1 алкалиновая батарейка на 9 В

- Не пытайтесь заряжать неперезаряжаемые батарейки.
- Зарядку перезаряжаемых аккумуляторов разрешается выполнять только взрослым.
- Перед зарядкой перезаряжаемых аккумуляторов извлеките их из аккумуляторного отсека.
- При установке аккумуляторов на место соблюдайте полярность.
- Разряженные батарейки необходимо извлечь из игрушки.
- Не замыкайте накоротко соединительные клеммы.
- И использованные батареи утилизировать как спецотходы.
- Не вставляйте в розетку провода!
- Регулярно проверяйте зарядное устройство на отсутствие повреждений. При наличии повреждений использовать зарядное устройство до выполнения его полного ремонта не разрешается.

1 个 9V 的碱性方电池或

- 不得给非充电电池充电
- 只允许由成年人给充电电池充电
- 在充电前必须将充电电池从电池夹中取出。
- 必须按照正负极正确放入电池。
- 必须从玩具中取出没有电的电池
- 接线柱不允许被短路。
- 用完了的电池应作为特种垃圾处理。
- 禁止将金属丝插入插座！
- 经常检查充电器是否有损坏情况。如果充电器有损，直到完全修好为止不可以再使用。

Das Spielzeug darf nur mit einer der folgenden fischertechnik Energiequellen benutzt werden:

Art.-Nr.: 135719 Batteriehalter 9V oder Art.-Nr.: 35537 Accu Pack 8,4V.

The toy may only be used with one of the following fischertechnik energy sources:

Art No.: 135719 battery tray 9V or Art No.: 35537 Accu Pack 8.4V. You are not allowed to use 9V NiMH accu packs in this product.

L'utilisation de ce jouet n'est permis qu'avec l'une des sources d'énergie fischertechnik suivantes:

Art. n° : 135719 support de pile 9 volts ou Art. n° : 35537 pack d'accumulateurs 8,4 volts.

Het speelgoed mag uitsluitend met een van de volgende fischertechnik energiebronnen worden gebruikt: art.nr.: 135719 batterijhouder 9V of art.nr.: 35537 accupack 8,4V

El juguete se debe utilizar únicamente con una de las siguientes fuentes de energía:

Art. No. 135719 soporte de pila de 9V o Art. No. 35537 paquete acumulador de 8,4V.

O brinquedo somente pode ser utilizado com uma das seguintes fontes de energia da fischertechnik: art. n°: 135719 Suporte de bateria de 9 V ou art. n°: 35537 Bloco de bateria de 8,4V.

Questo giocattolo può essere utilizzato solo con le seguenti fonti di energia fischertechnik: cod. prod.: 135719 portabatteria da 9V oppure cod. prod.: 35537 confezione batterie da 8,4V.

Игрушку можно использовать только с одним из следующих источников энергии от fischertechnik: арт. №: 135719 держатель батареек 9В или арт. №: 35537 Accu Pack 8,4В

该玩具只允许使用如下的慧鱼 (fischertechnik) 能源源：商品号：135719，9V 电池夹，或者商品号：35537，8.4V 电池套件 (Accu Pack)

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!

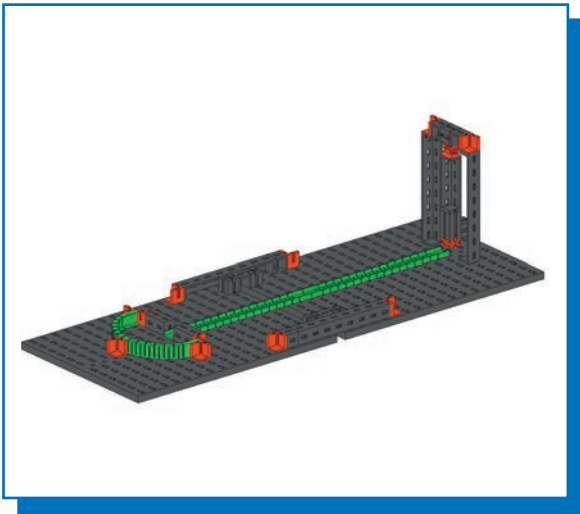
Atención! Cuidado, no te hagas daño con los componentes con bordes afilados o puntiagudos!

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!

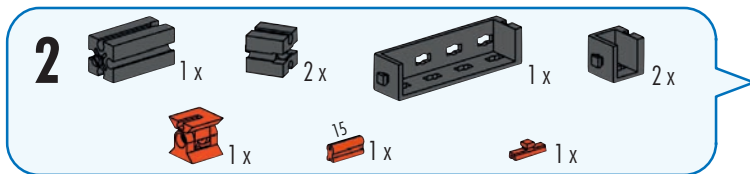
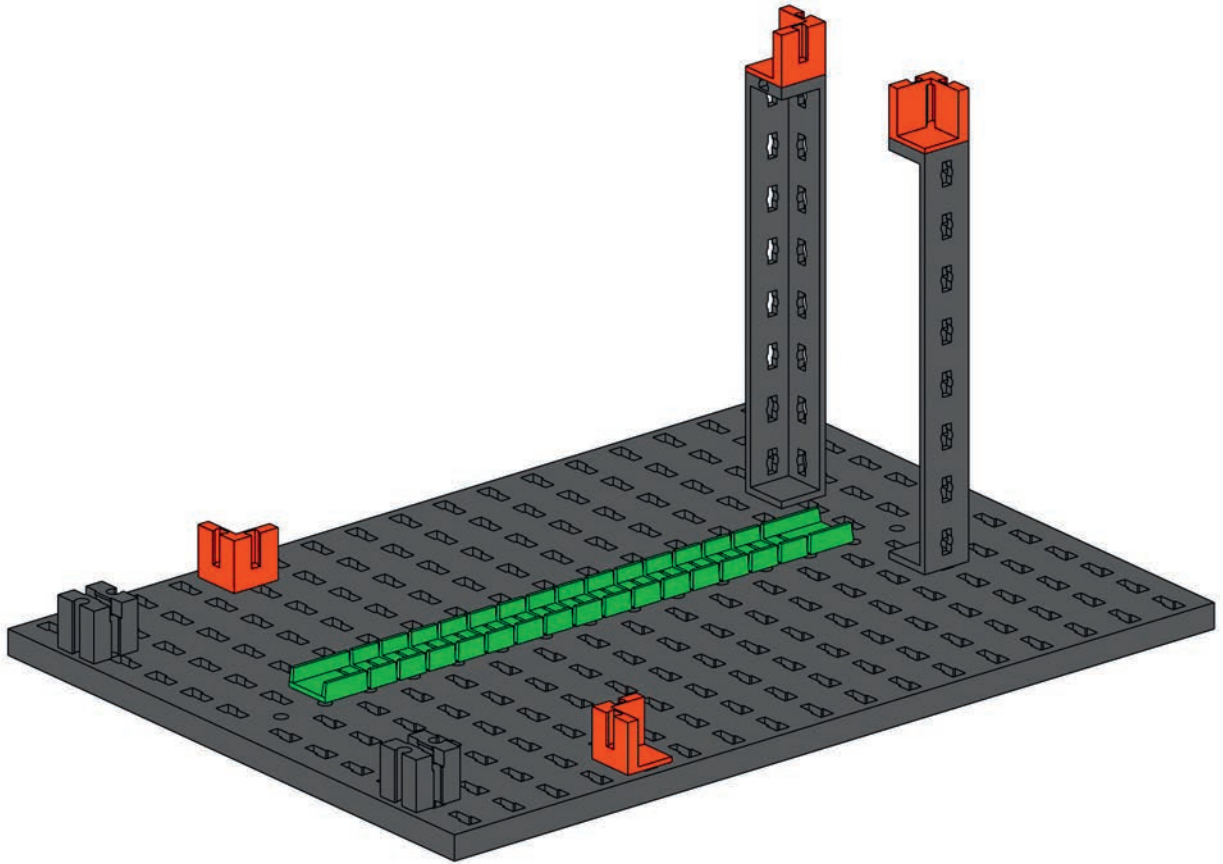
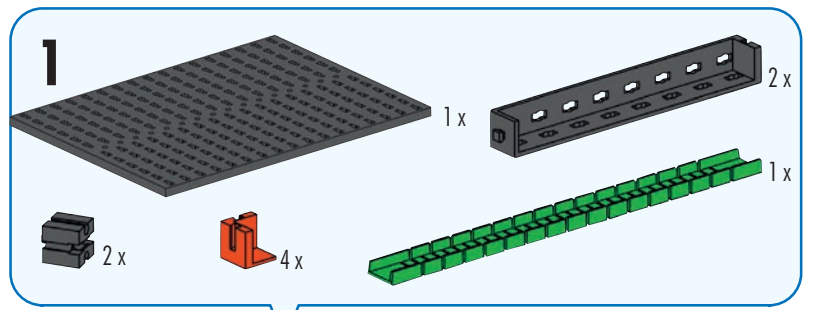
注意！因功能需要而带有锋利的棱边和尖角的部件可能会带来受伤危险！



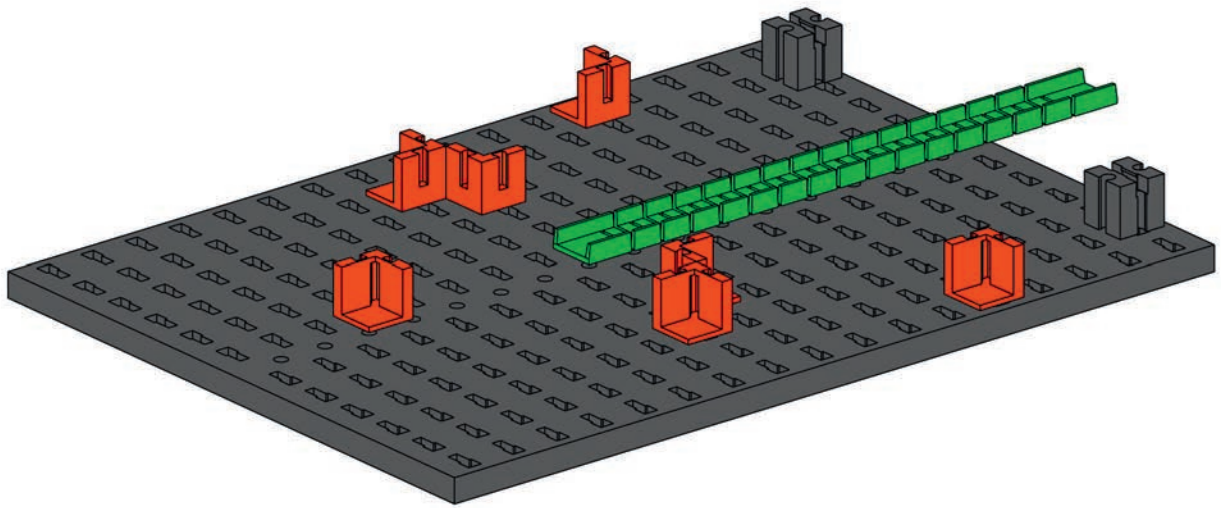
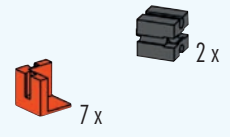
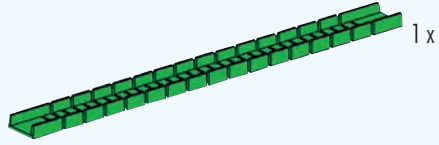
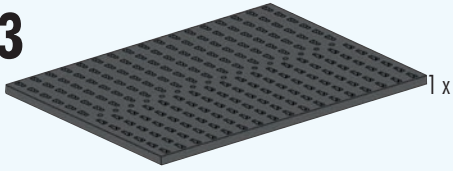
Versuchsmodell 1
Model for experiment 1
Maquette d'essai 1

Testmodel 1
Modelo de ensayo 1
Modelo experimental 1

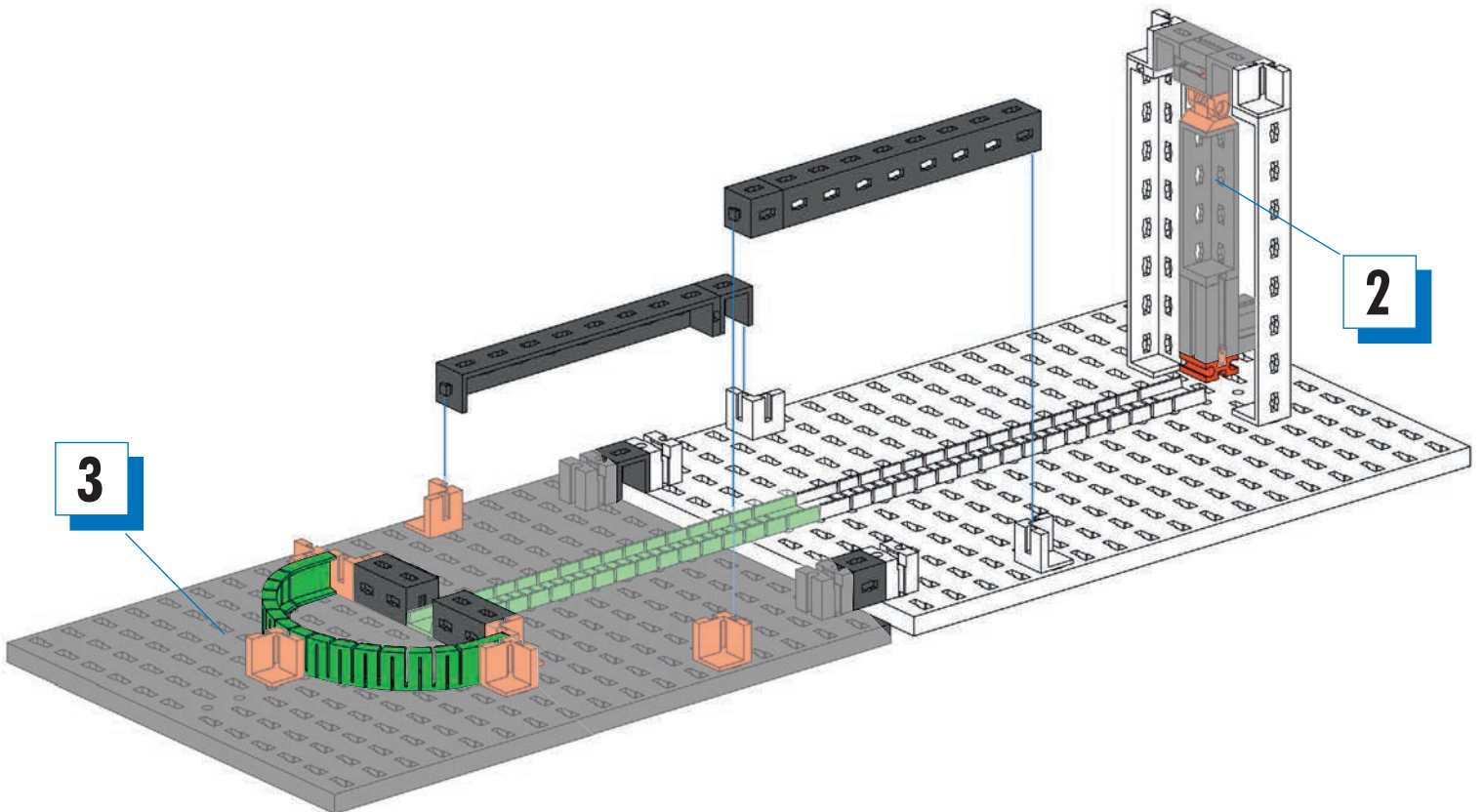
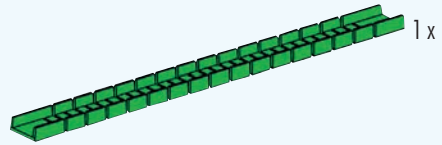
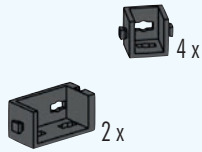
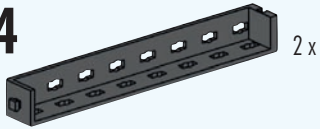
Modello sperimentale 1
 Модель для опыта 1
 实验模型 1

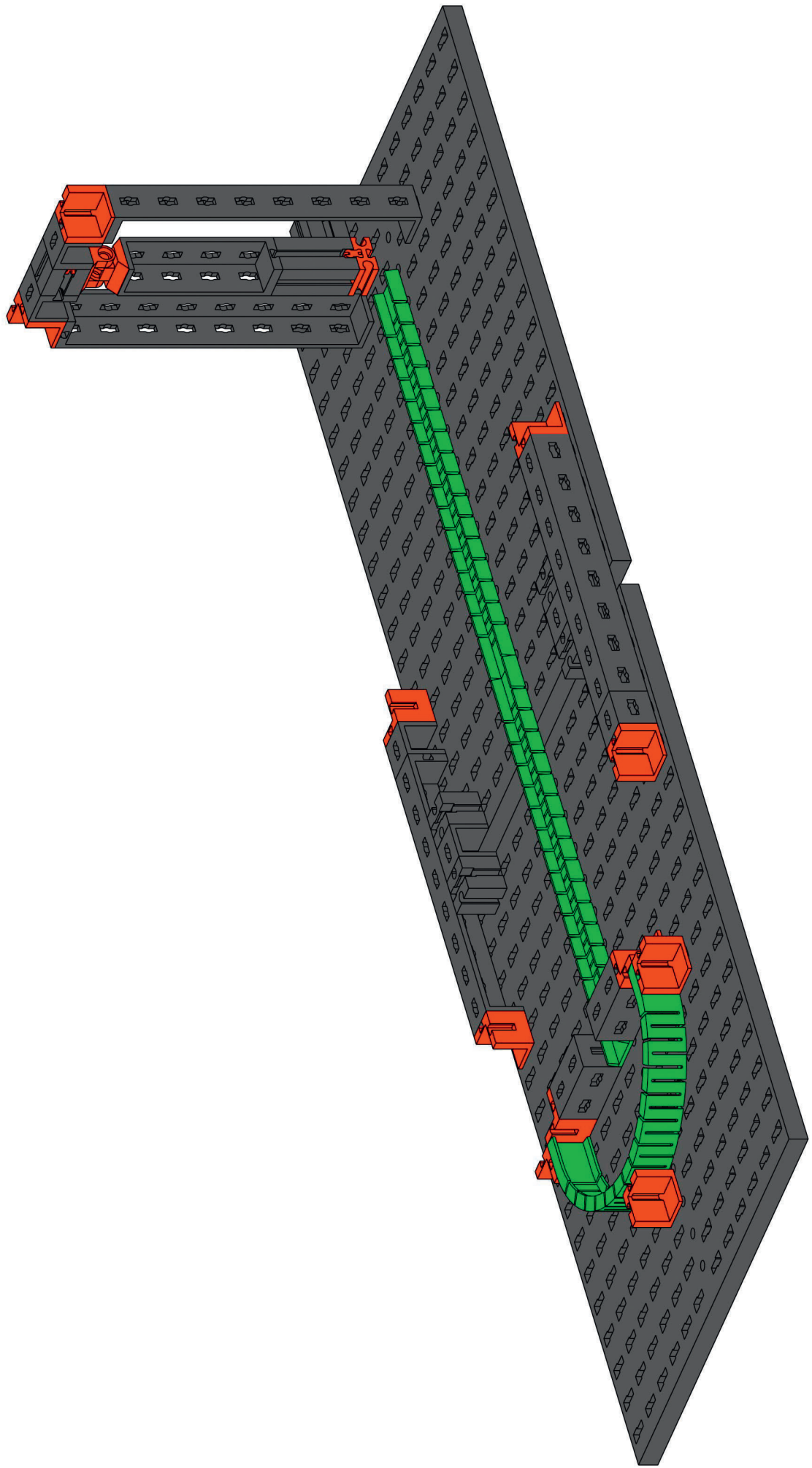


3



4



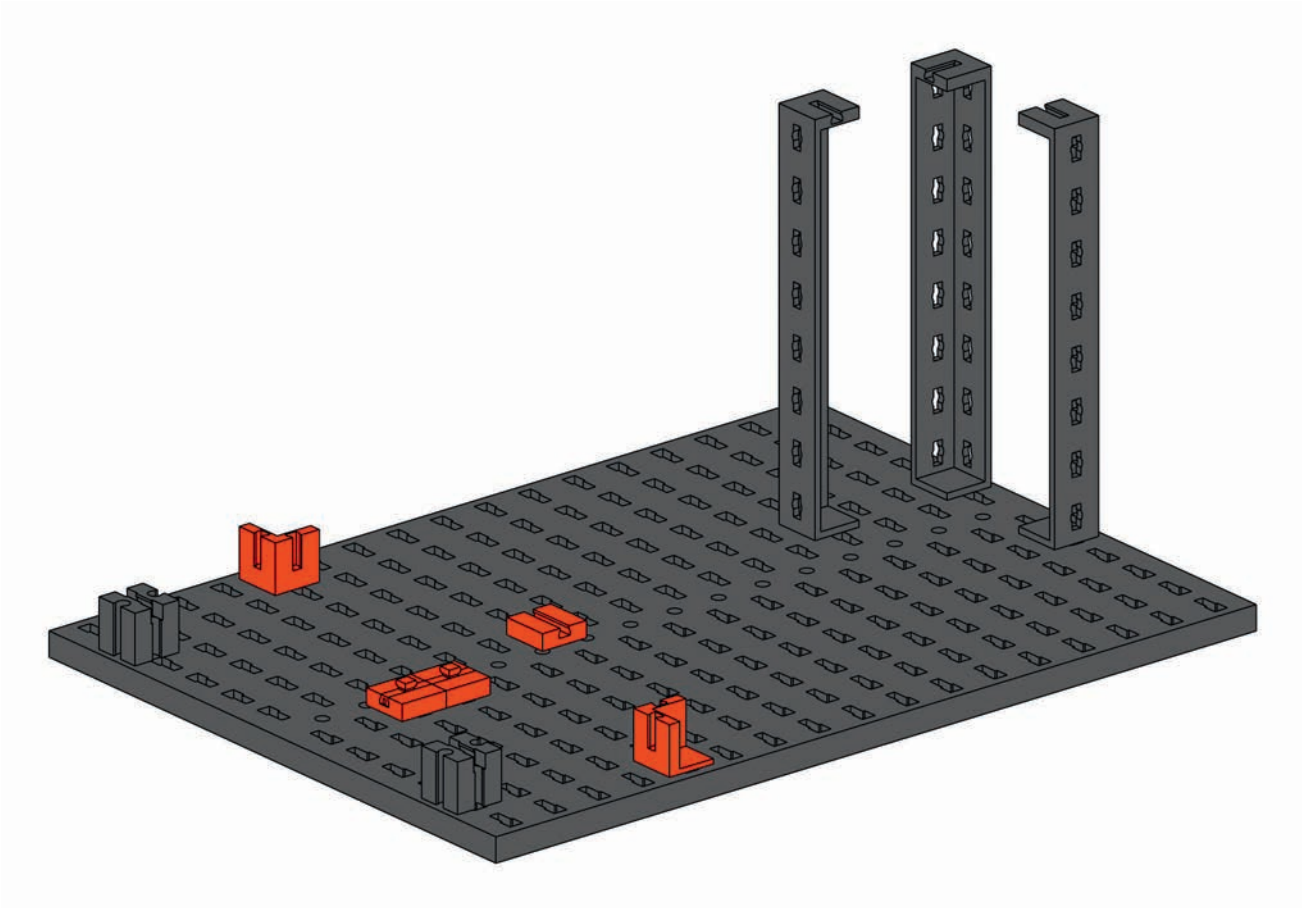
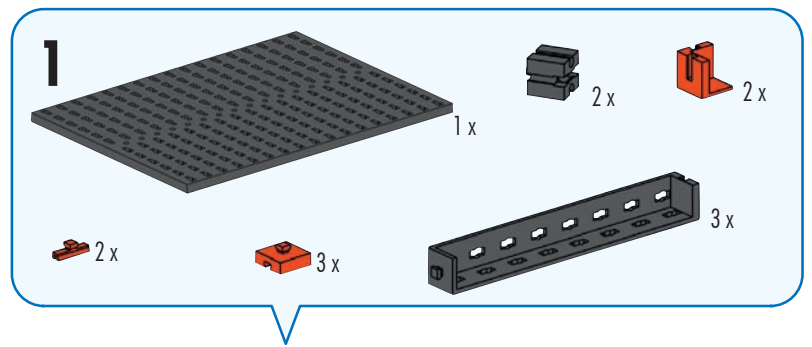




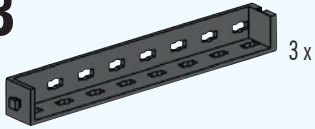
Versuchsmodell 2
 Model for experiment 2
 Maquette d'essai 2

Testmodel 2
 Modelo de ensayo 2
 Modelo experimental 2

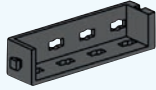
Modello sperimentale 2
 Модель для опыта 2
 实验模型 2



3



3x



2x



2x



3x



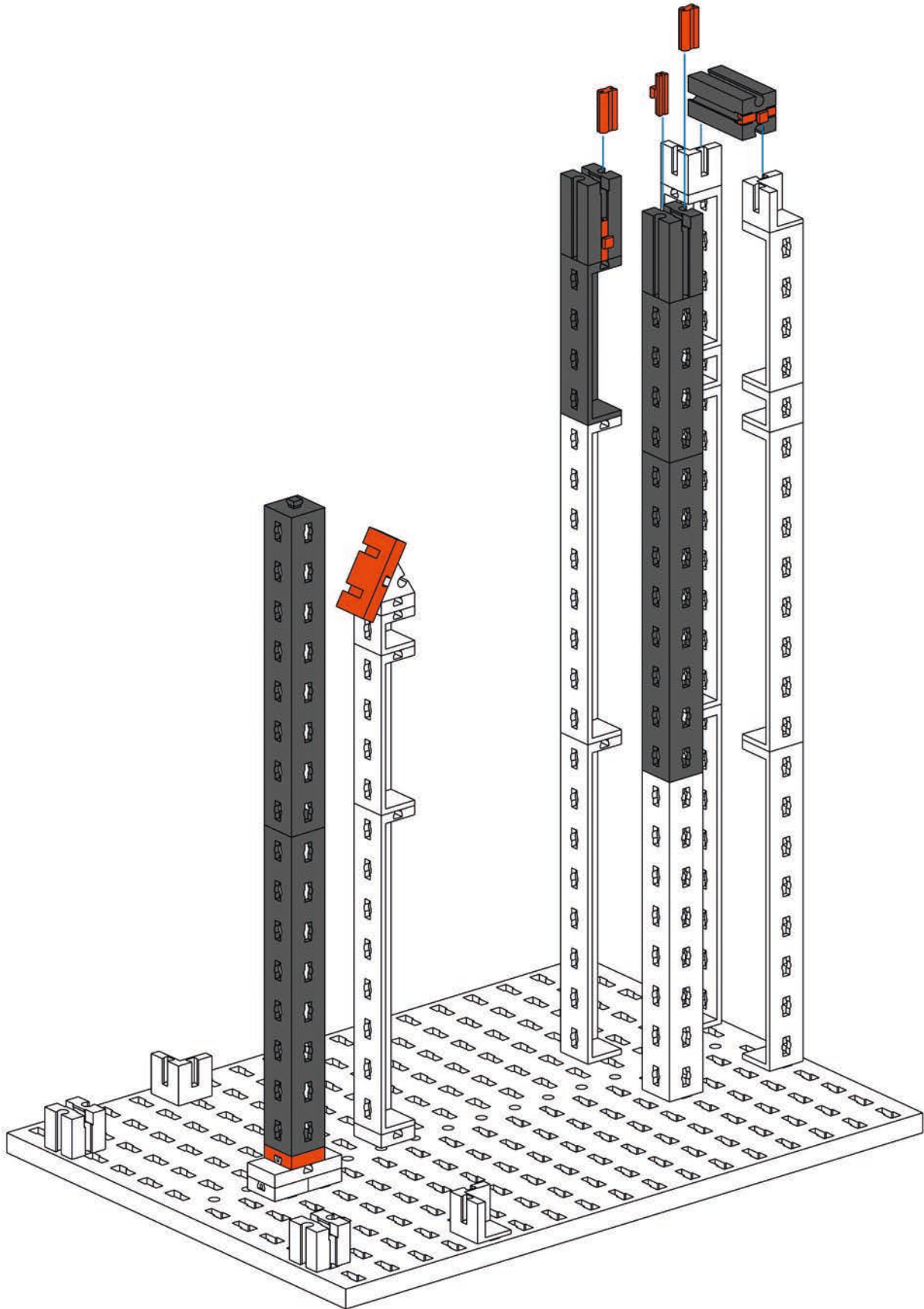
1x



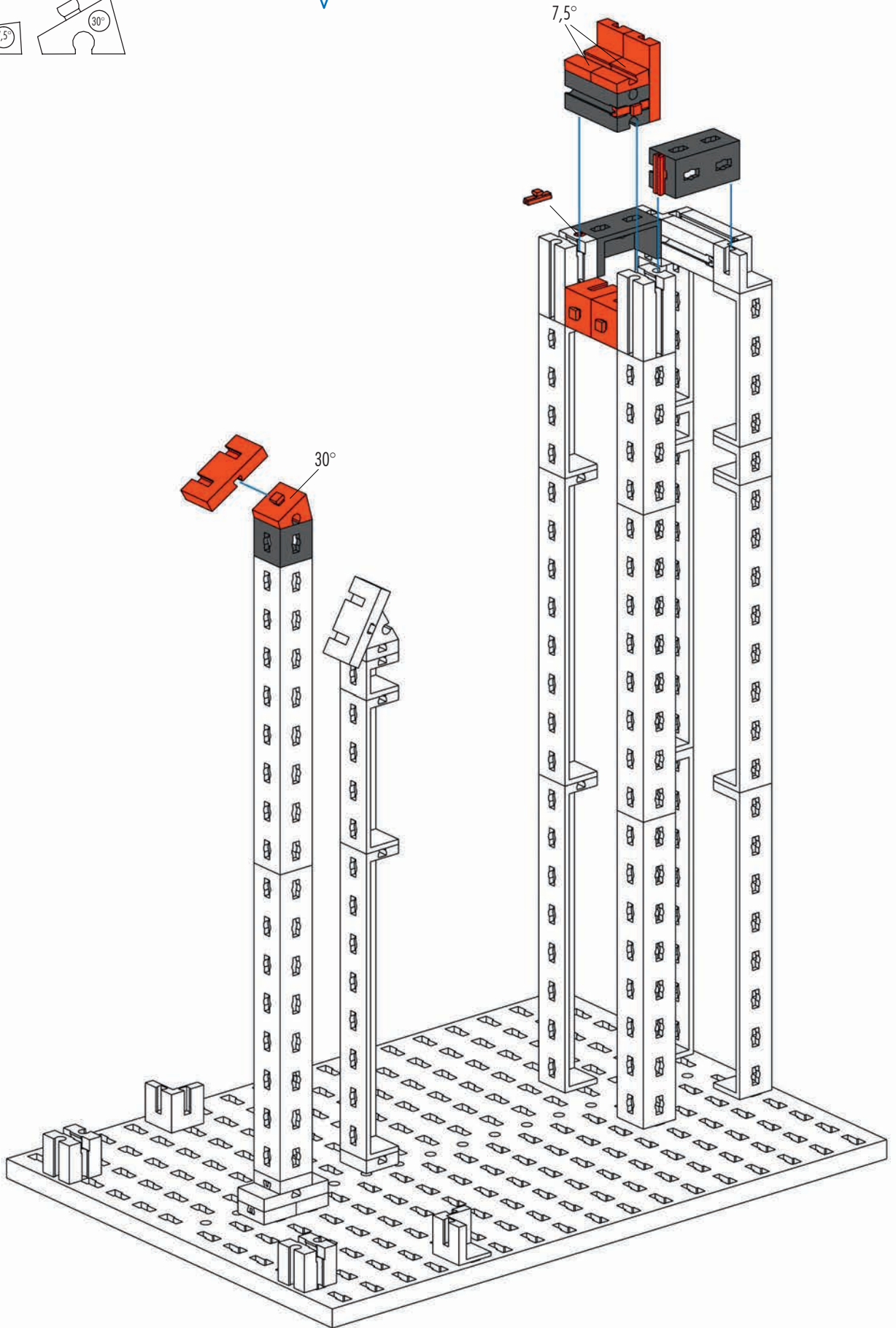
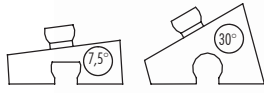
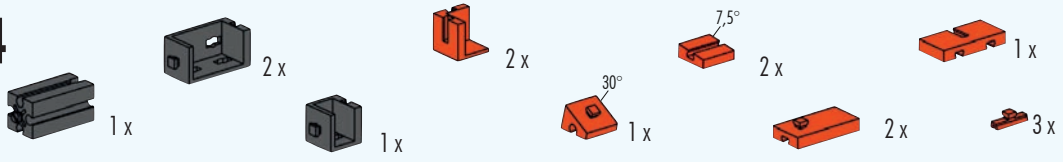
1x



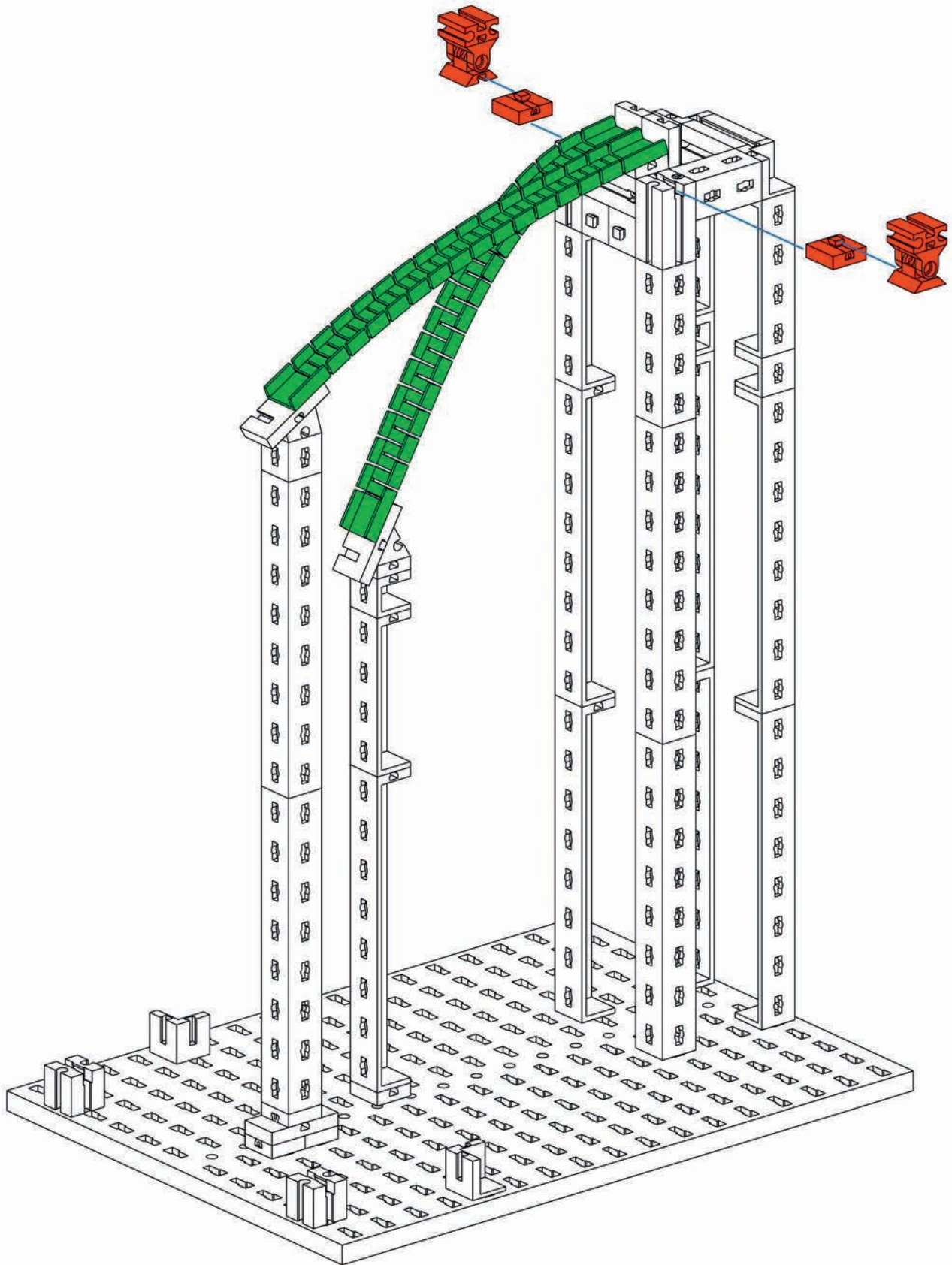
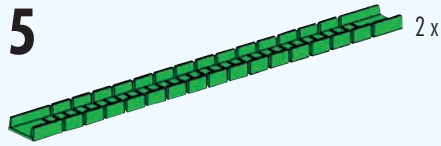
3x



4

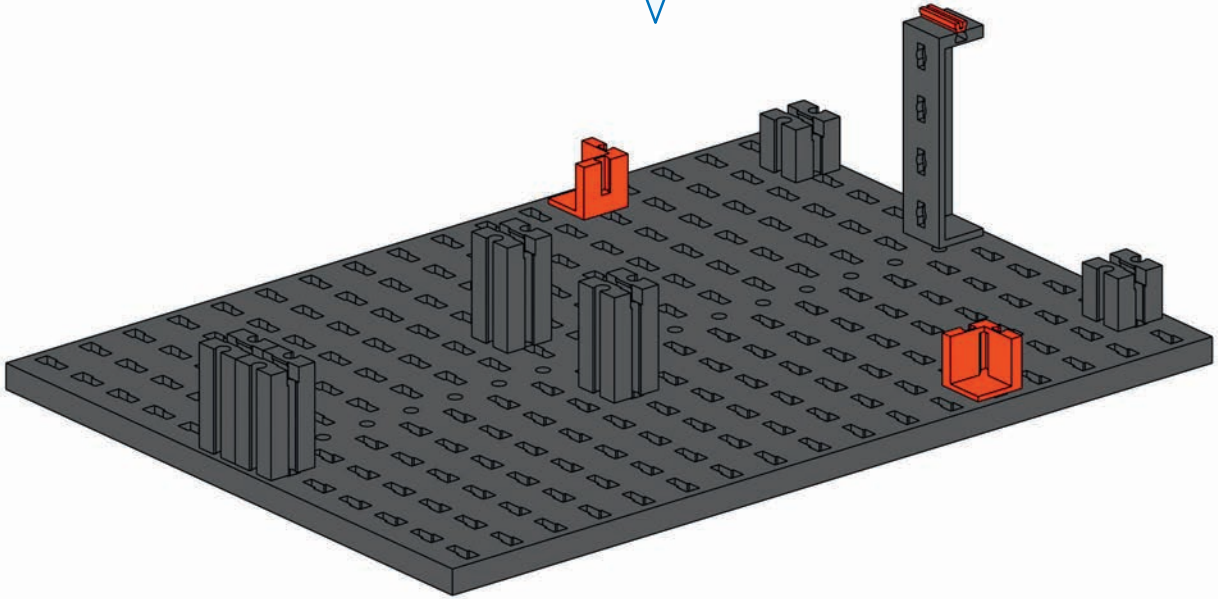


5



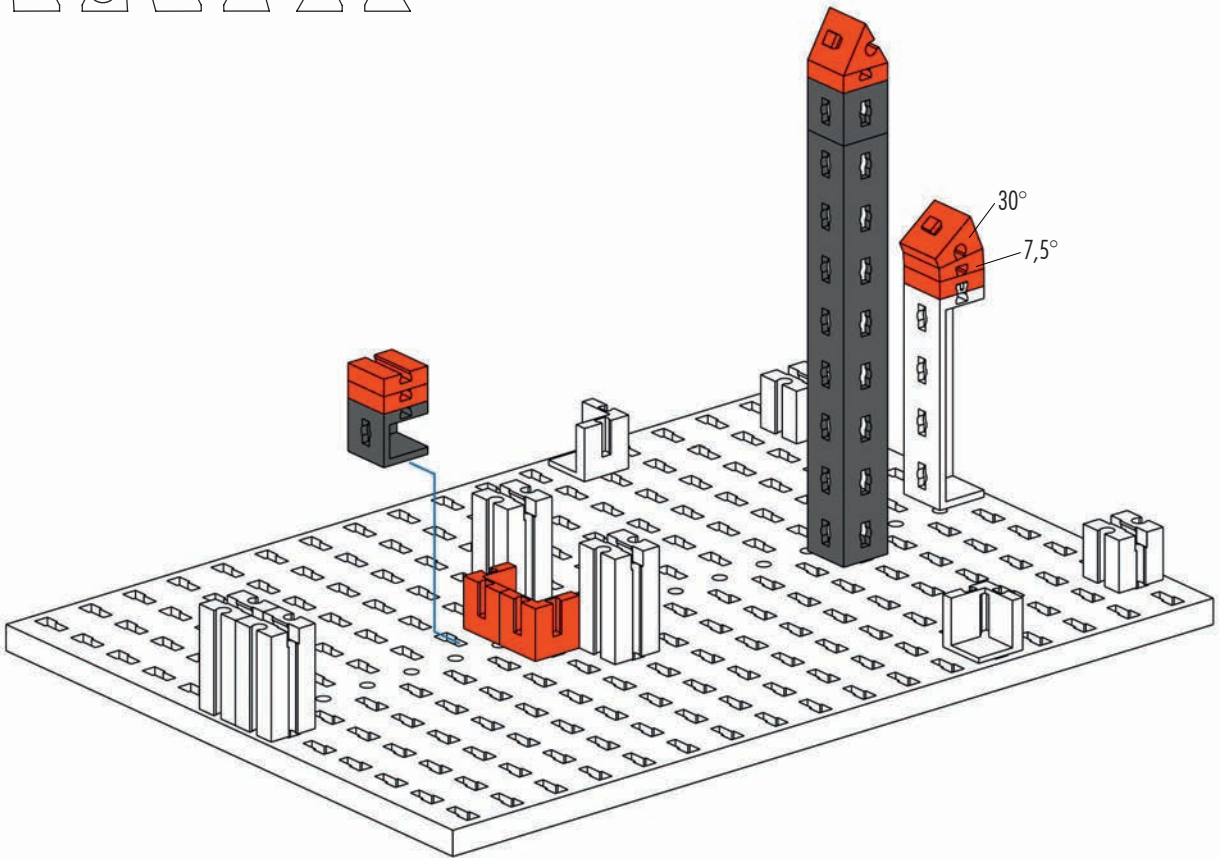
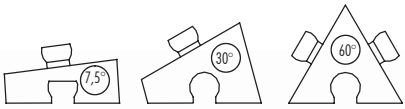
6

1 x
4 x
2 x
1 x
1 x
2 x

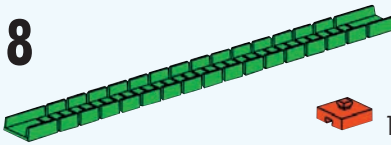





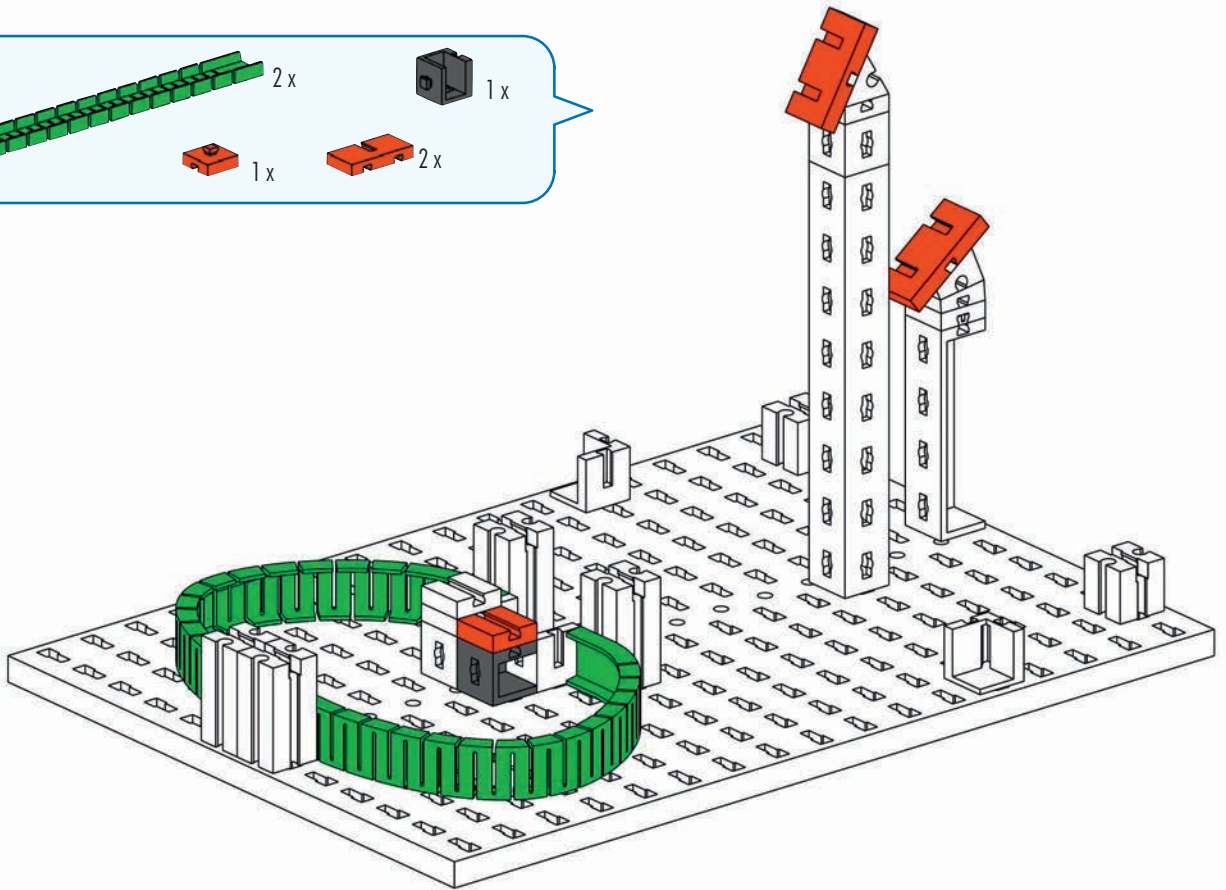
7

1 x
2 x
7,5° 1 x
30° 1 x
60° 1 x
4 x
2 x

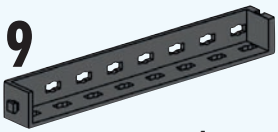

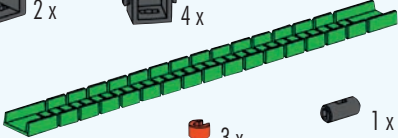





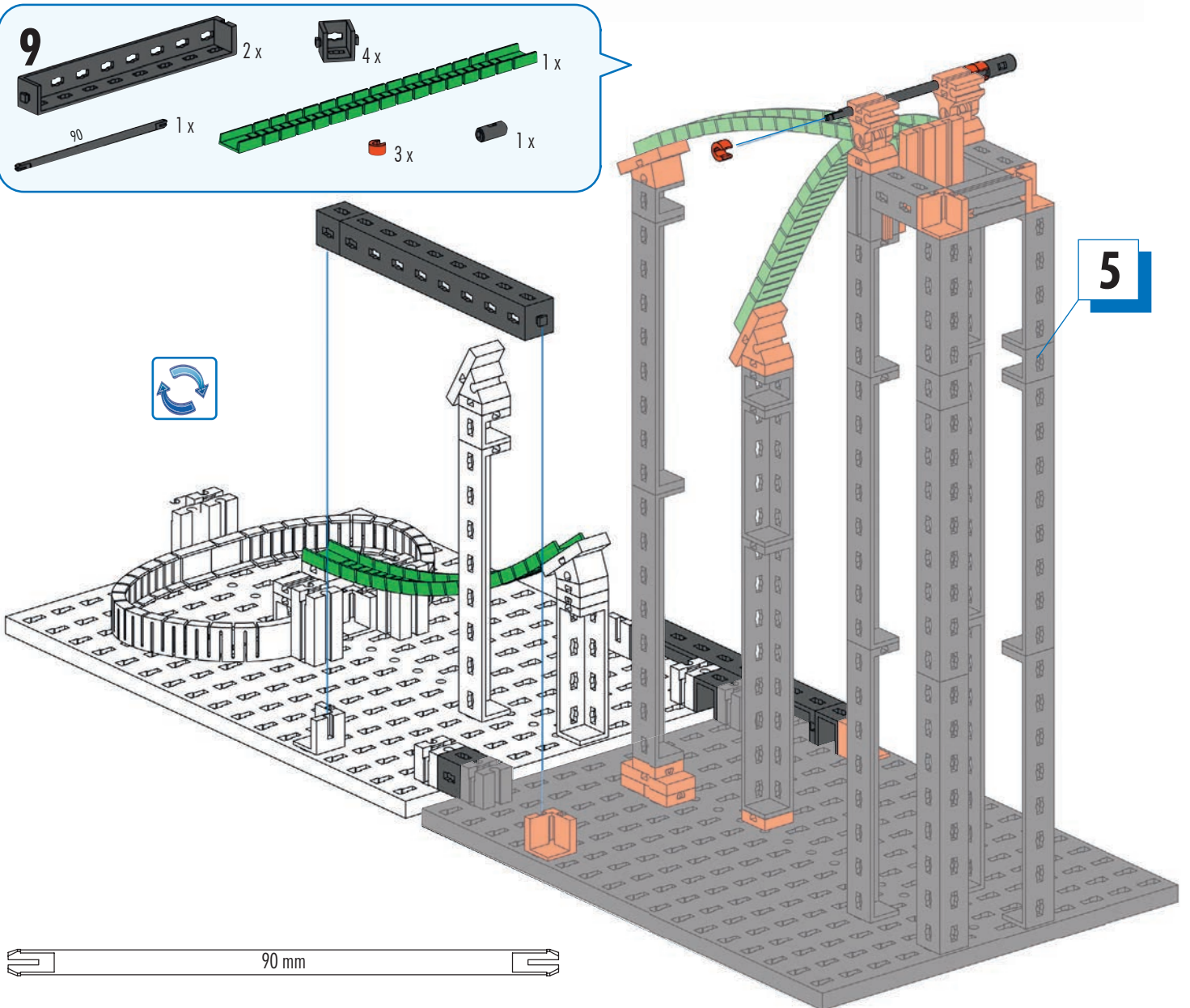
8

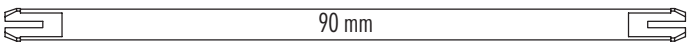
- 2 x 
- 1 x 
- 1 x 
- 2 x 



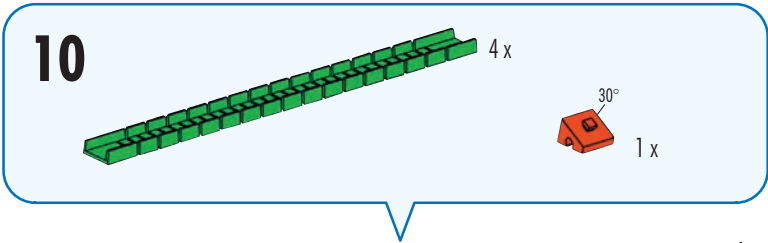
9

- 2 x 
- 4 x 
- 1 x 
- 1 x  90
- 3 x 
- 1 x 



 90 mm

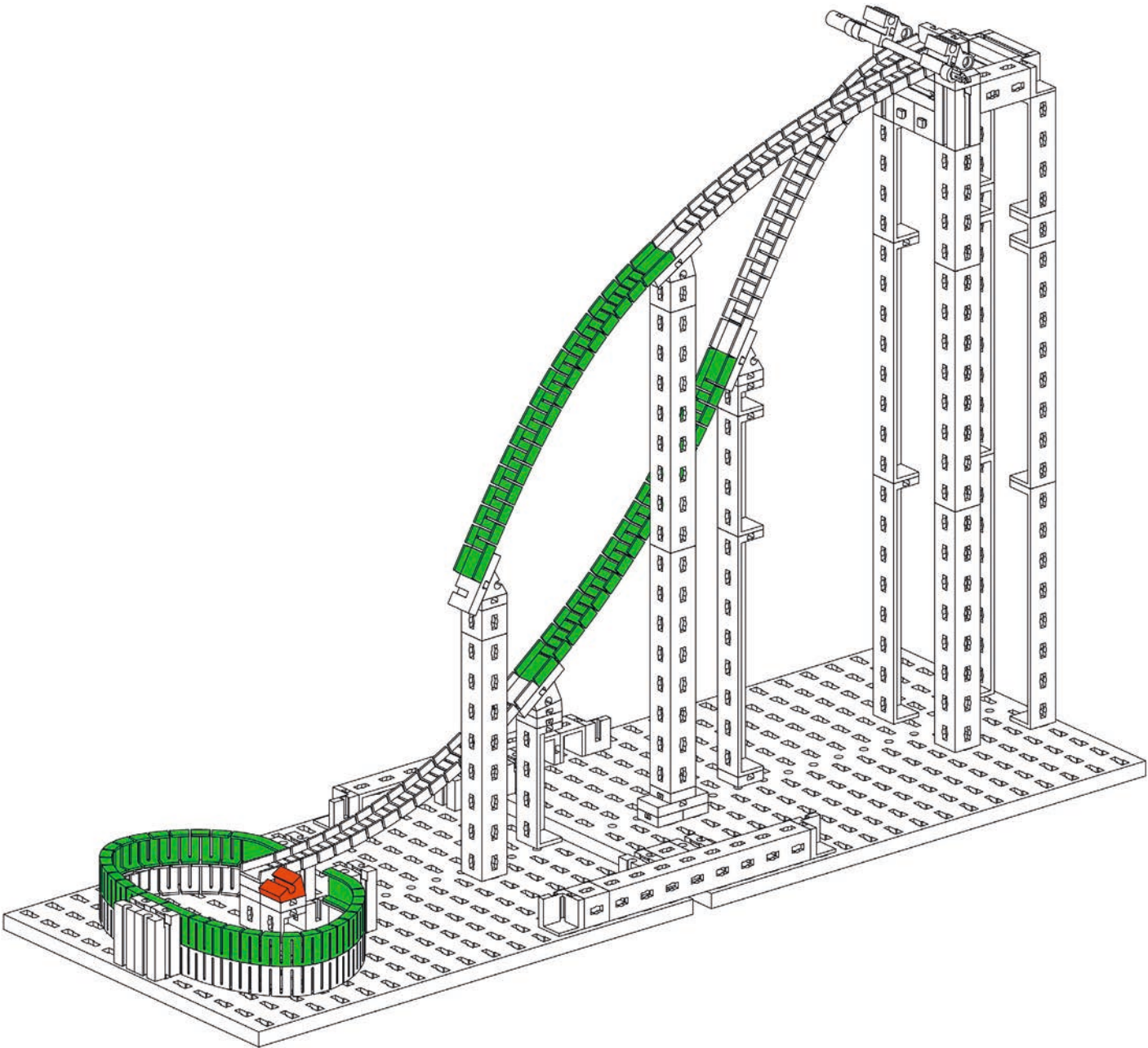
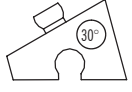
10



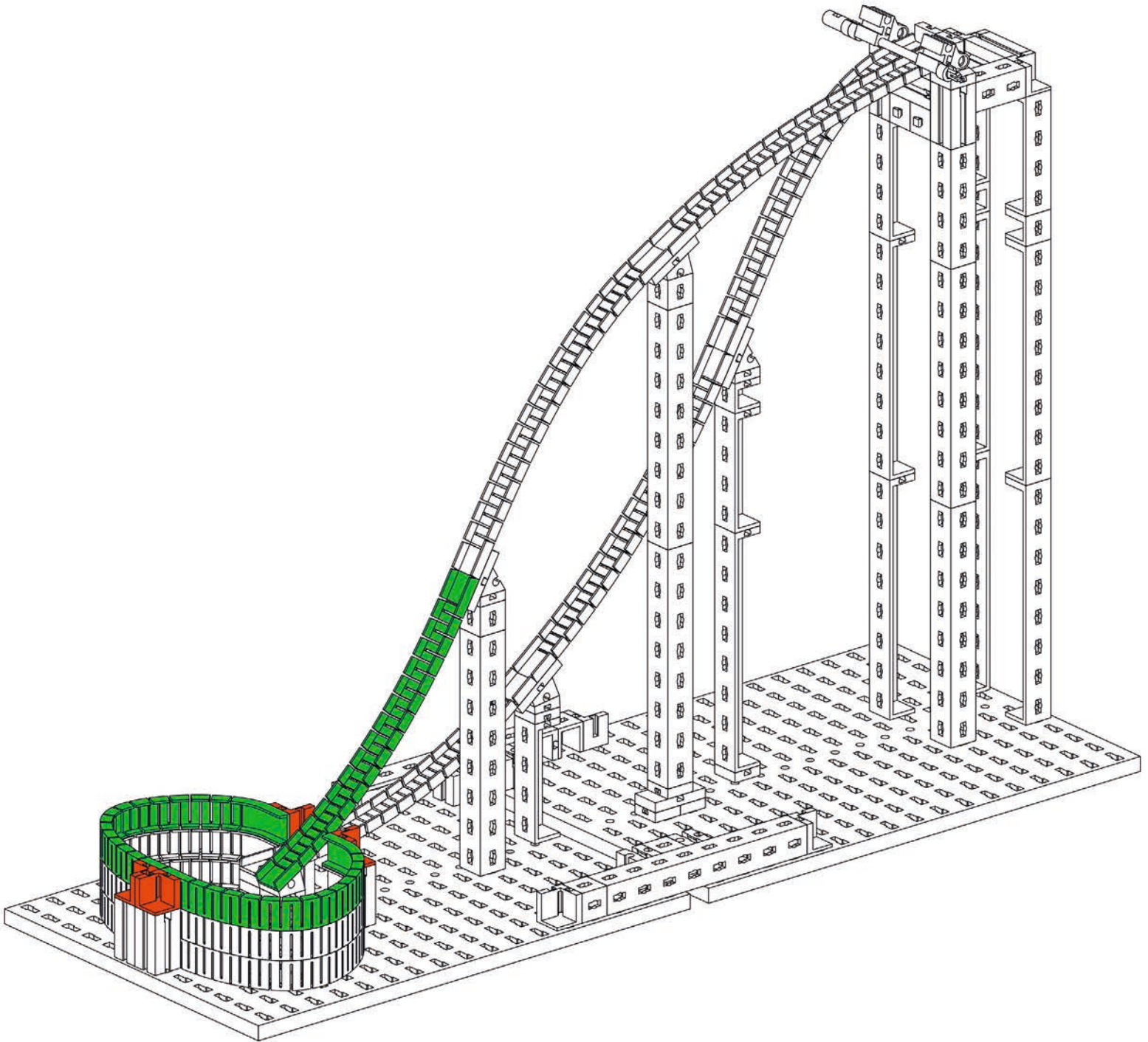
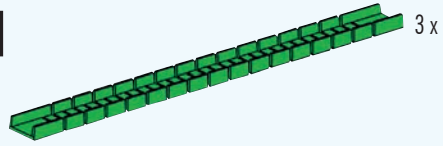
4 x

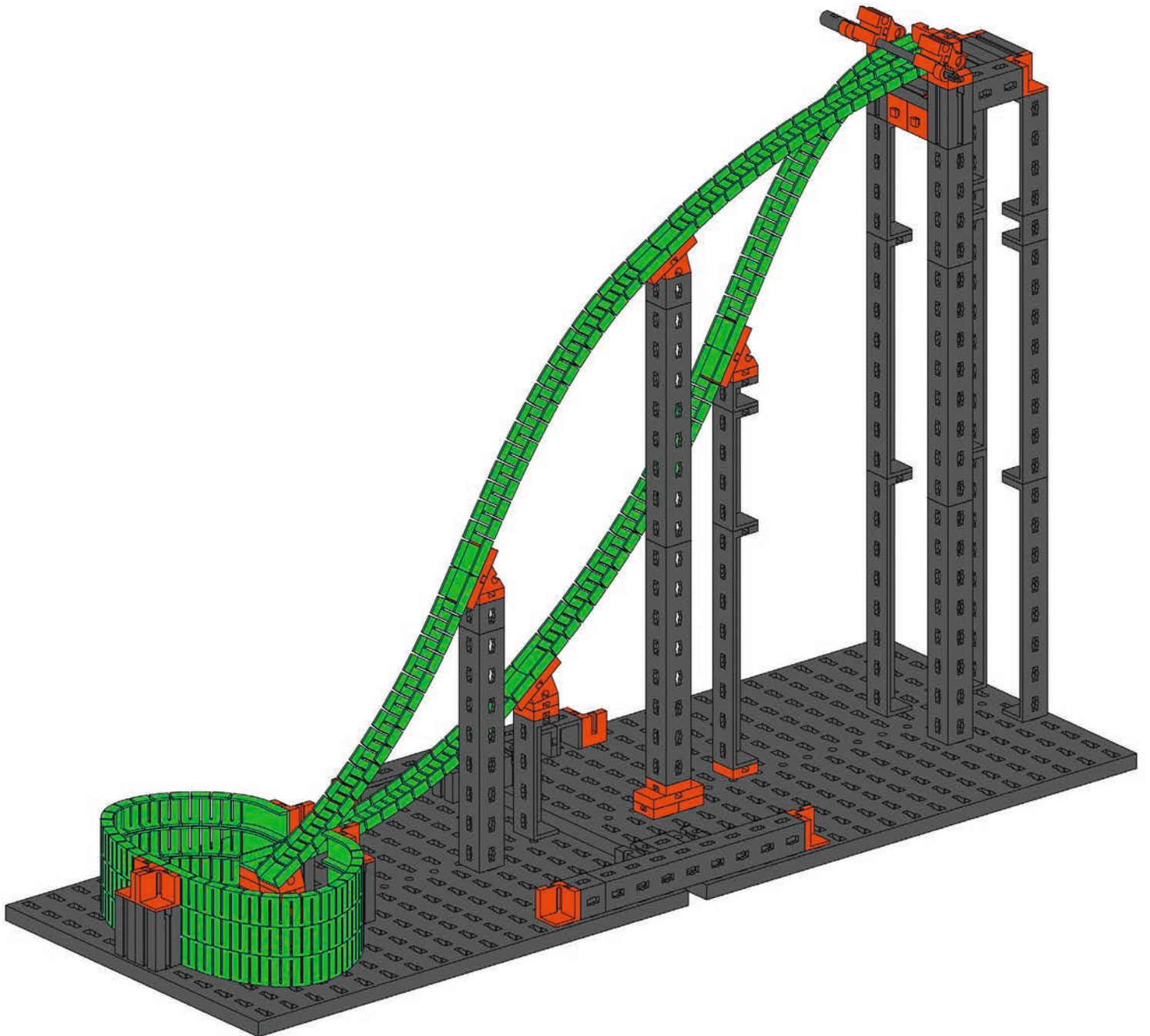
30°

1 x



11



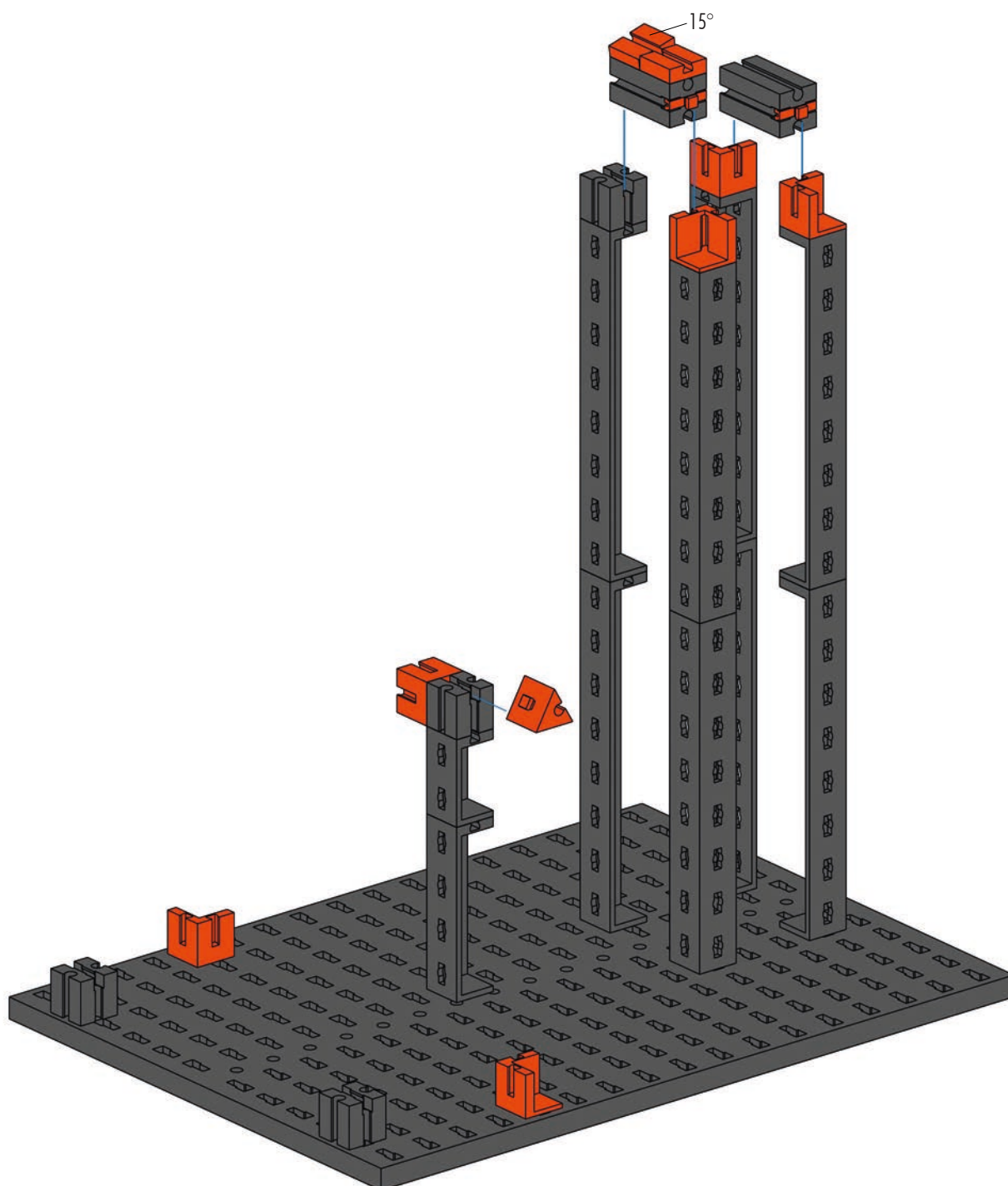
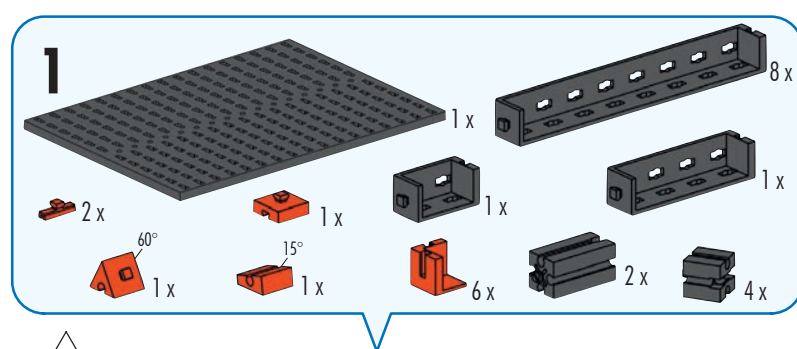




Versuchsmodell 3
Model for experiment 3
Maquette d'essai 3

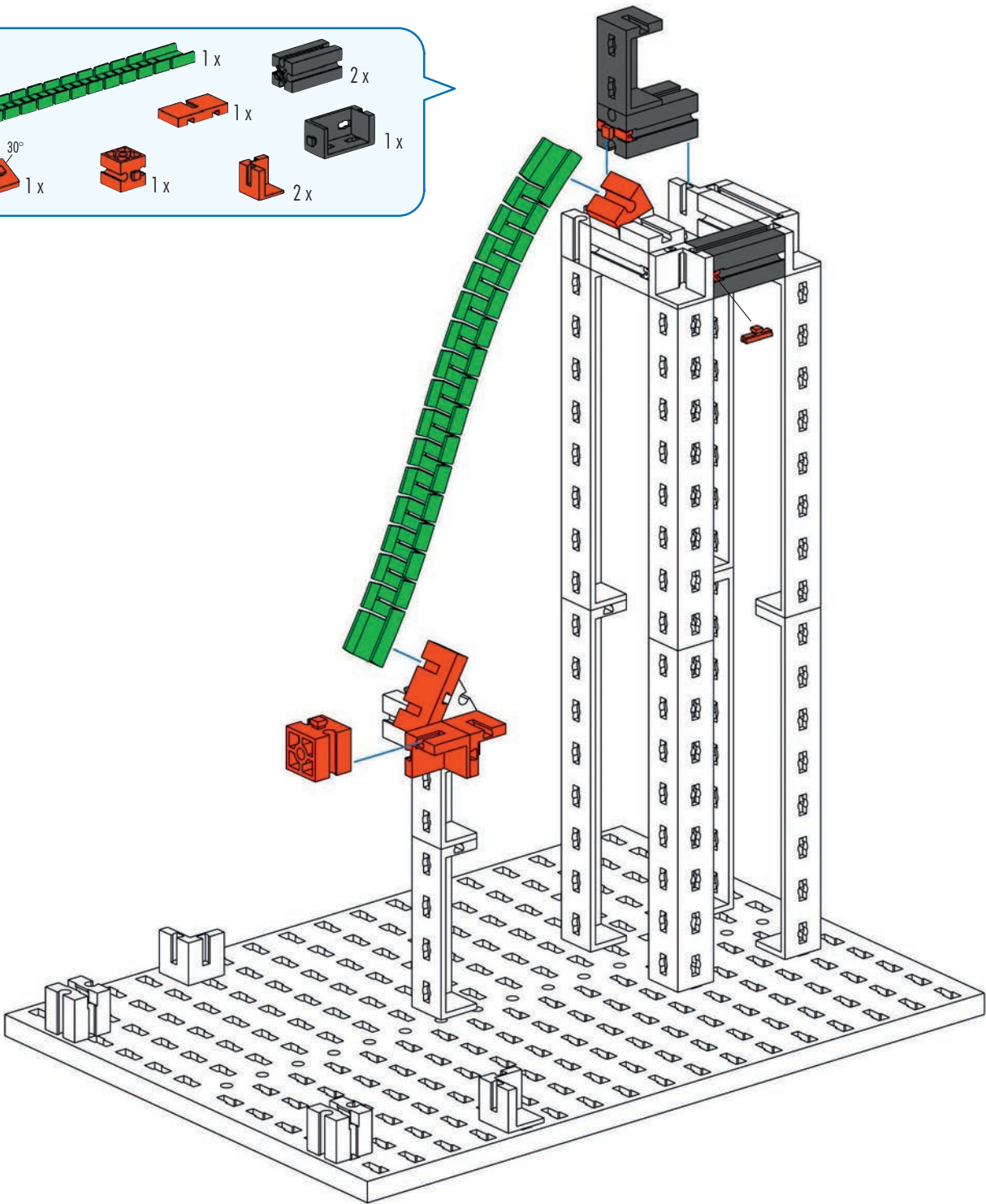
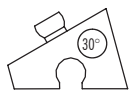
Testmodel 3
Modelo de ensayo 3
Modelo experimental 3

Modello sperimentale 3
Модель для опыта 3
实验模型 3



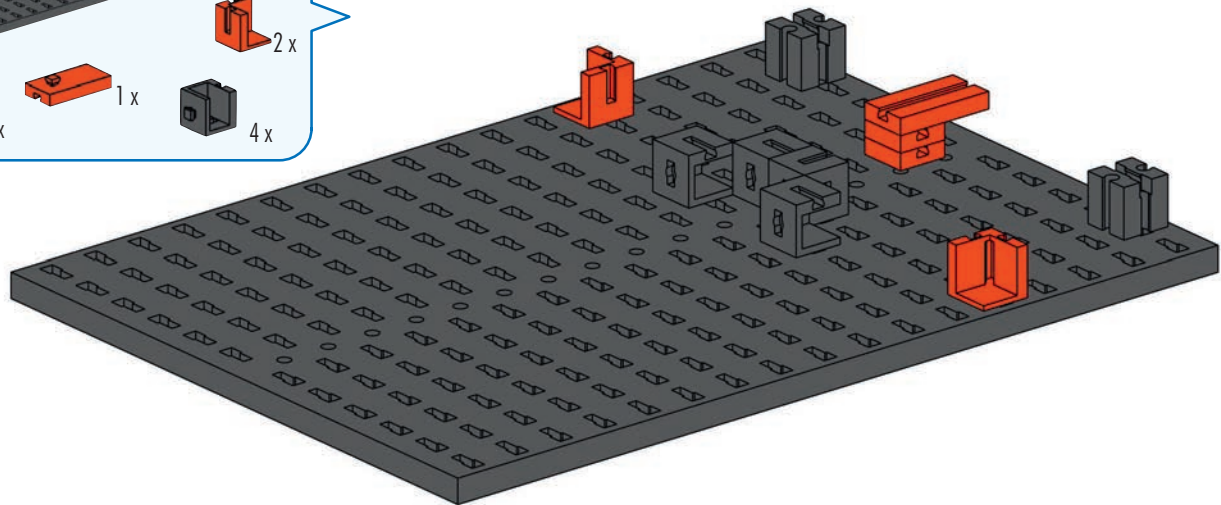
2

- 2 x (Small red pin)
- 1 x (Long green Technic beam)
- 2 x (Black Technic axle)
- 1 x (Red Technic axle)
- 1 x (Black Technic axle)
- 1 x (Red Technic axle)
- 1 x (Red Technic axle)
- 2 x (Red Technic axle)

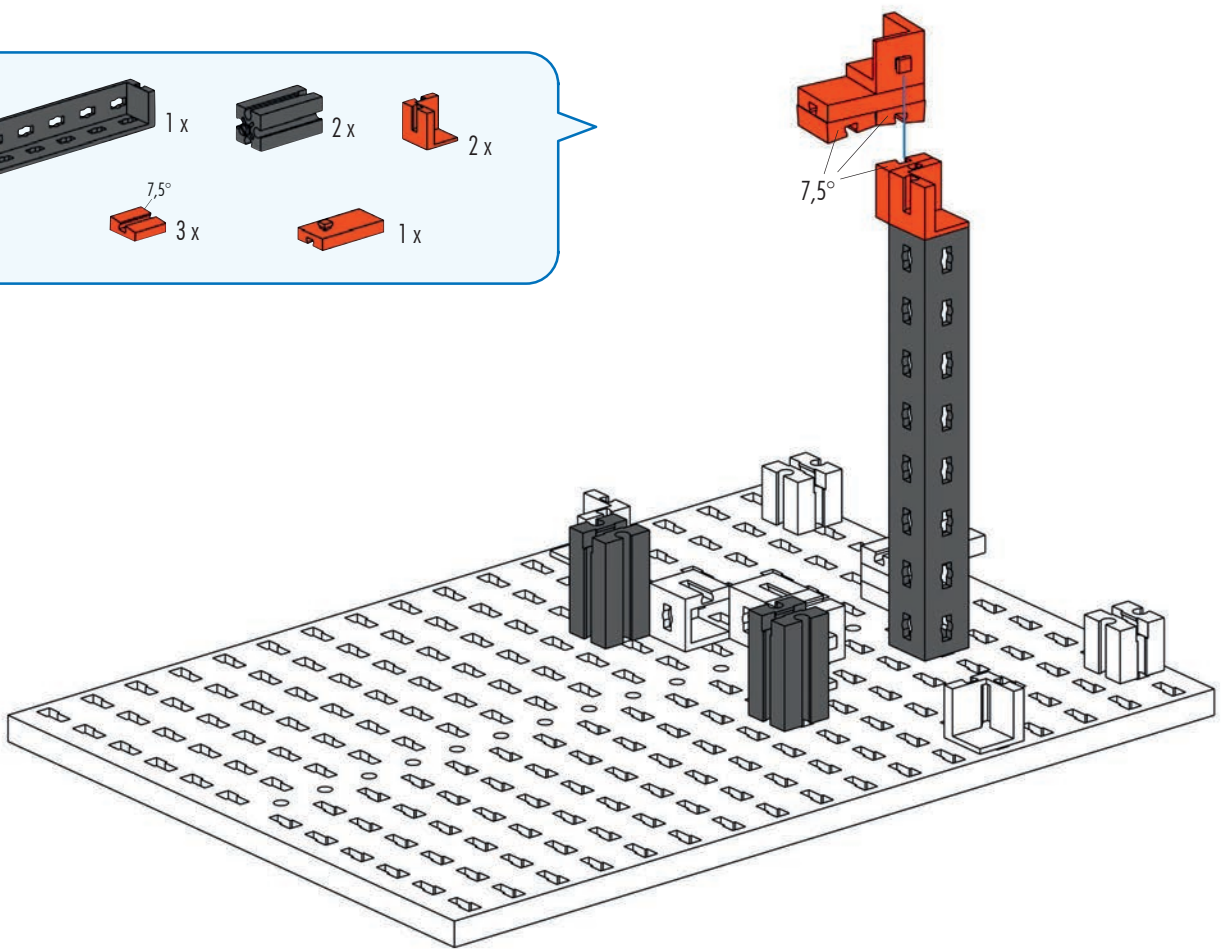
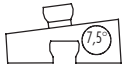
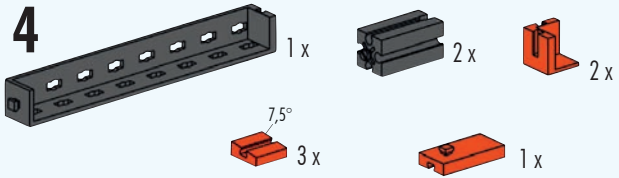


3

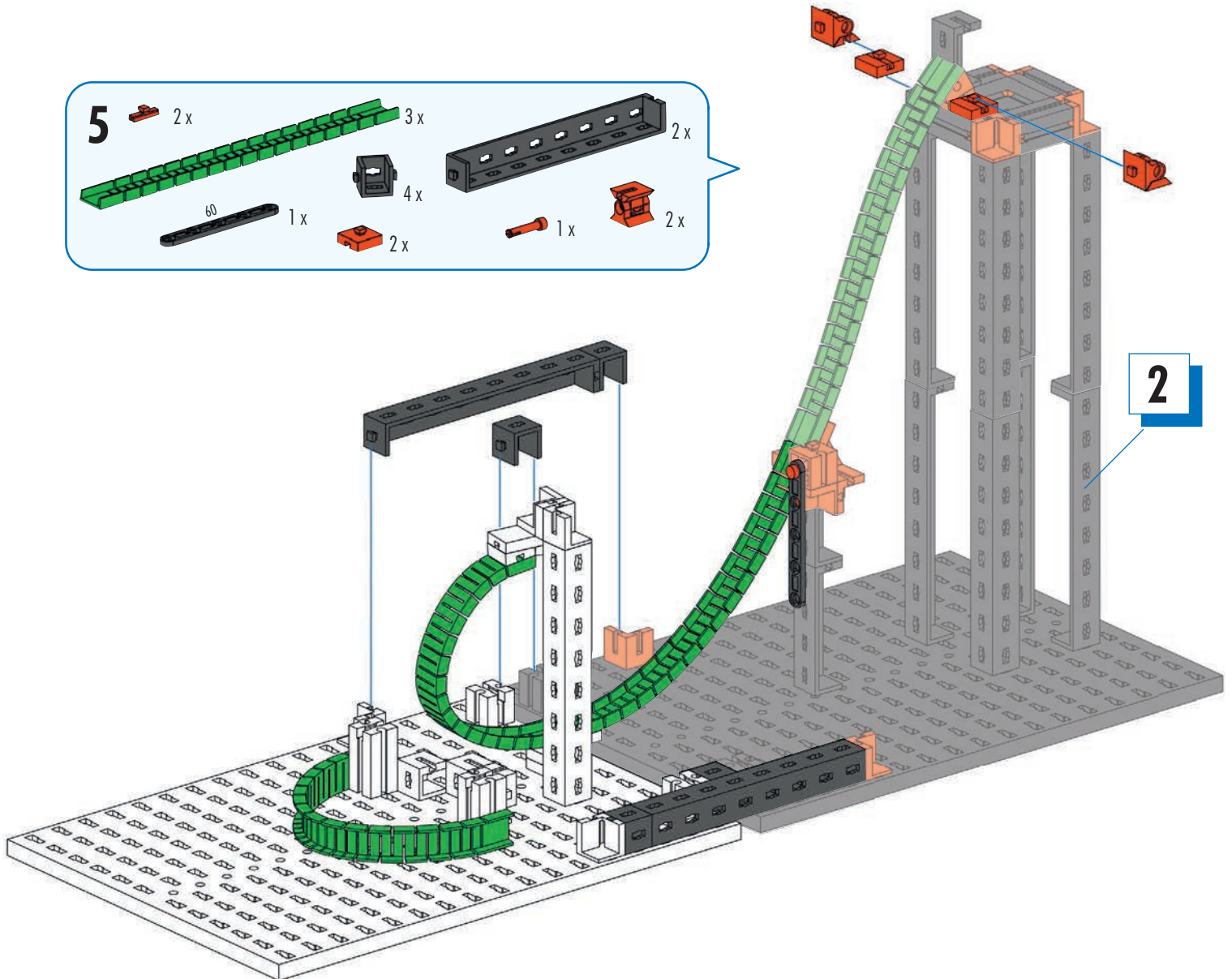
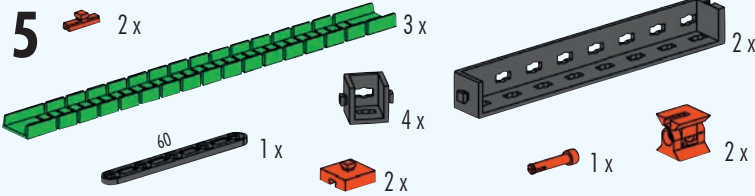
- 1 x (Large dark grey Technic plate)
- 2 x (Black Technic axle)
- 2 x (Red Technic axle)
- 1 x (Red Technic axle)
- 4 x (Black Technic axle)



4



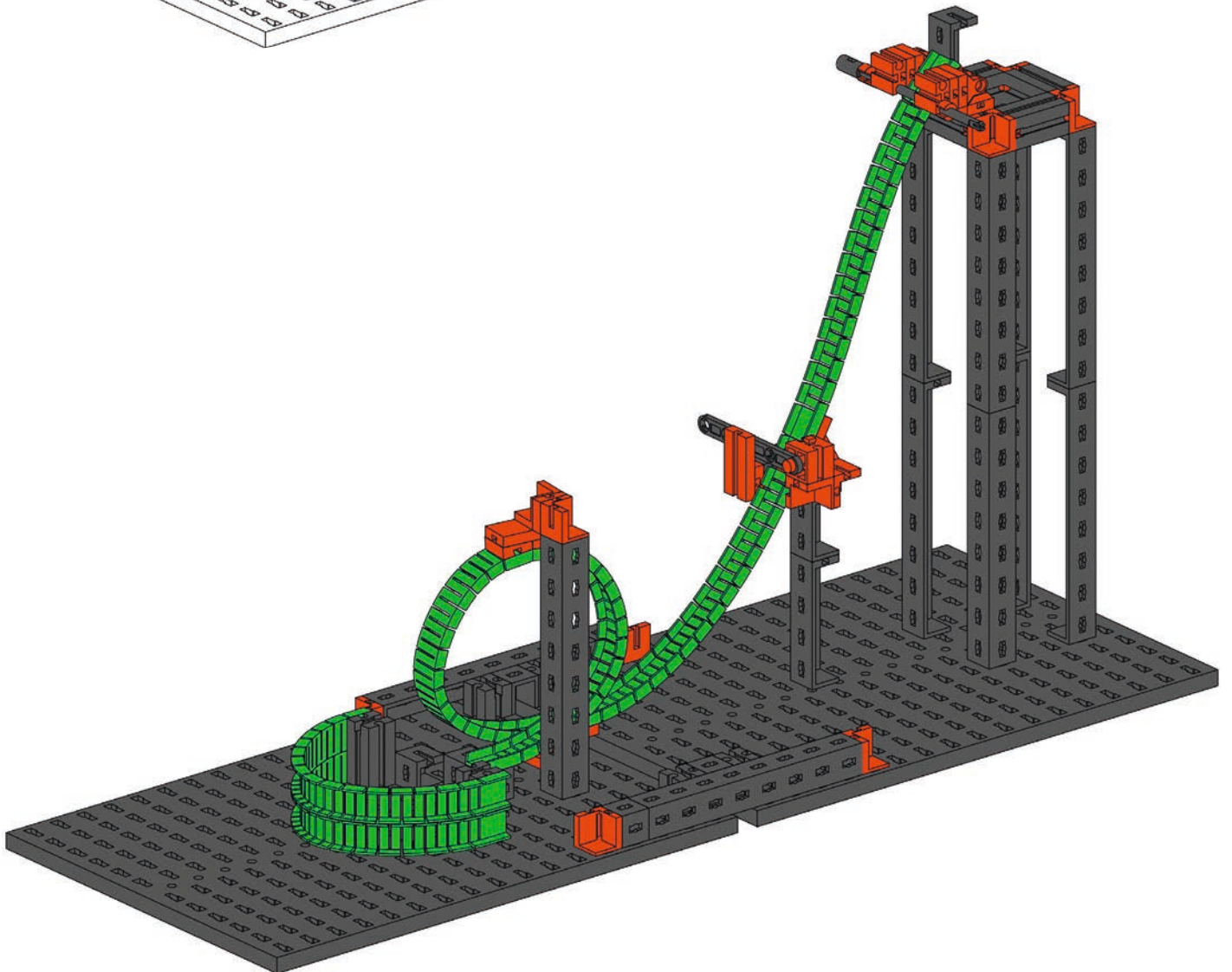
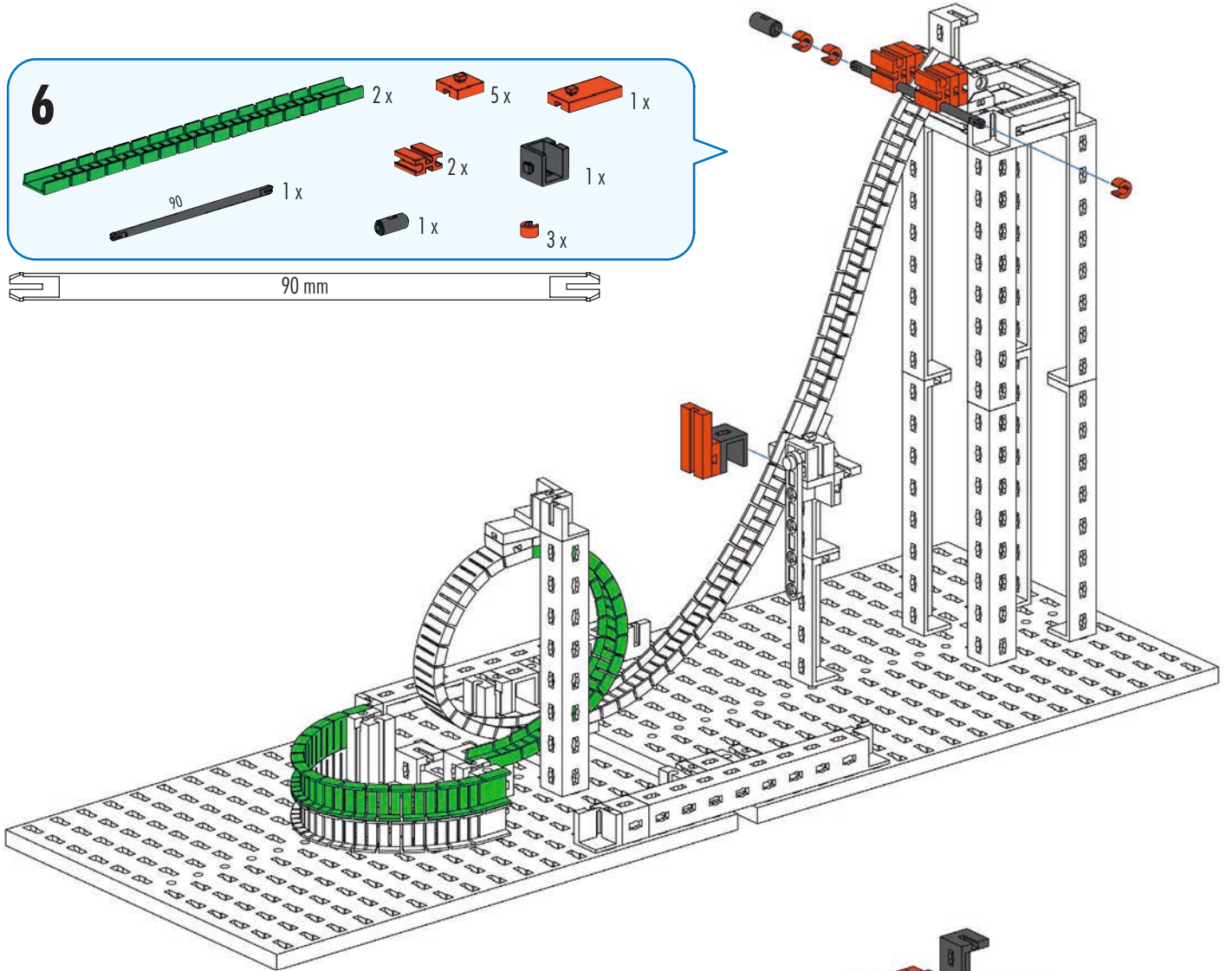
5

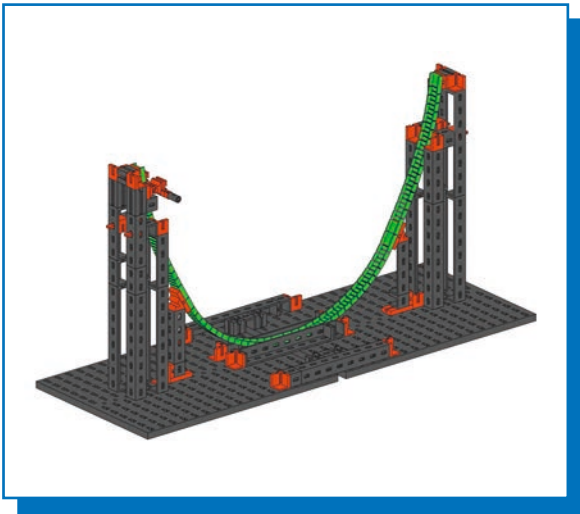


6

- 2 x
- 1 x
- 5 x
- 2 x
- 1 x
- 1 x
- 1 x
- 3 x
- 1 x

90 mm

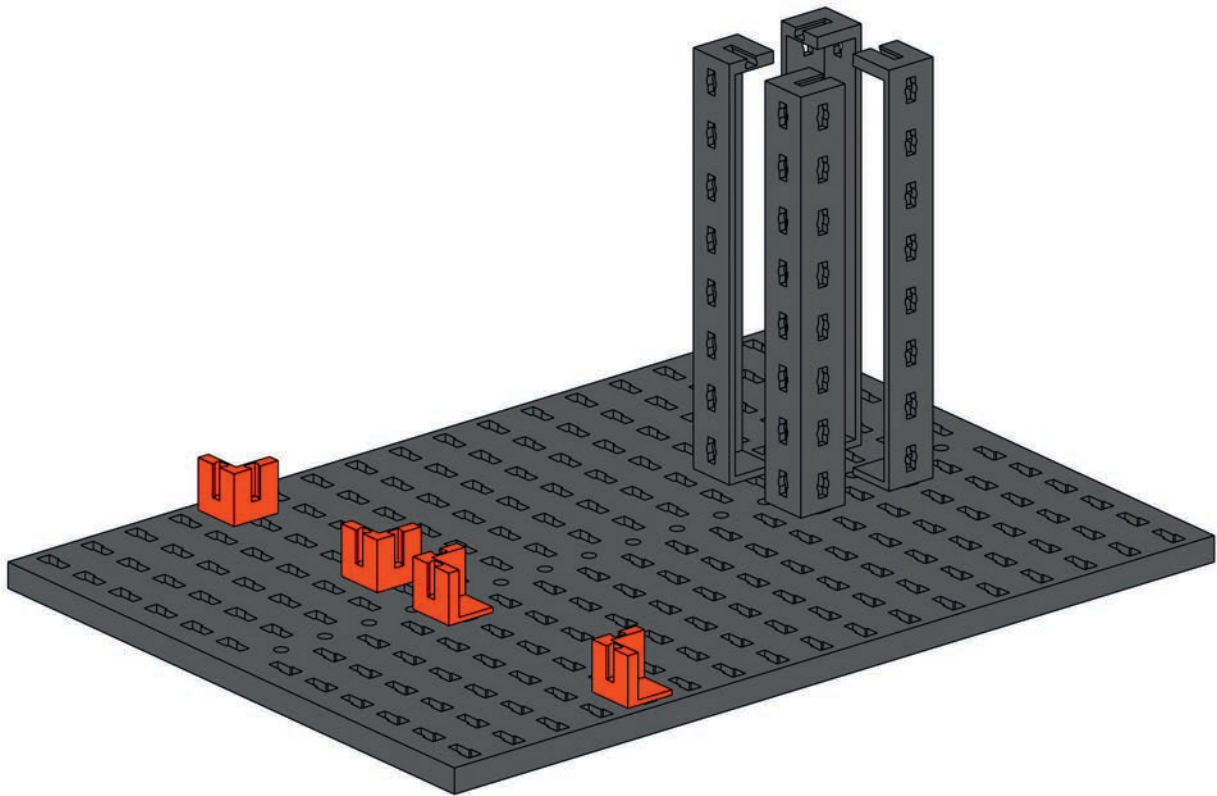
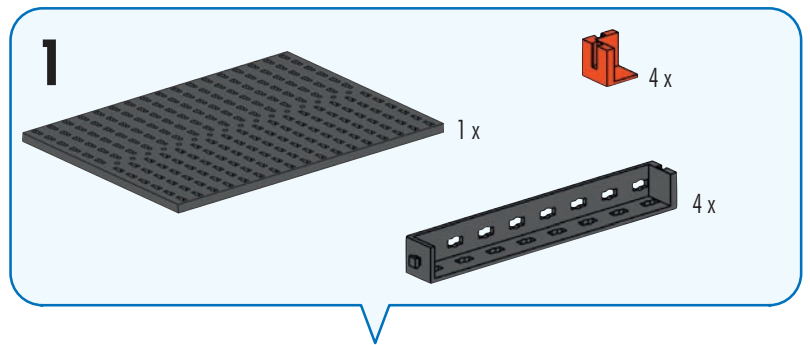




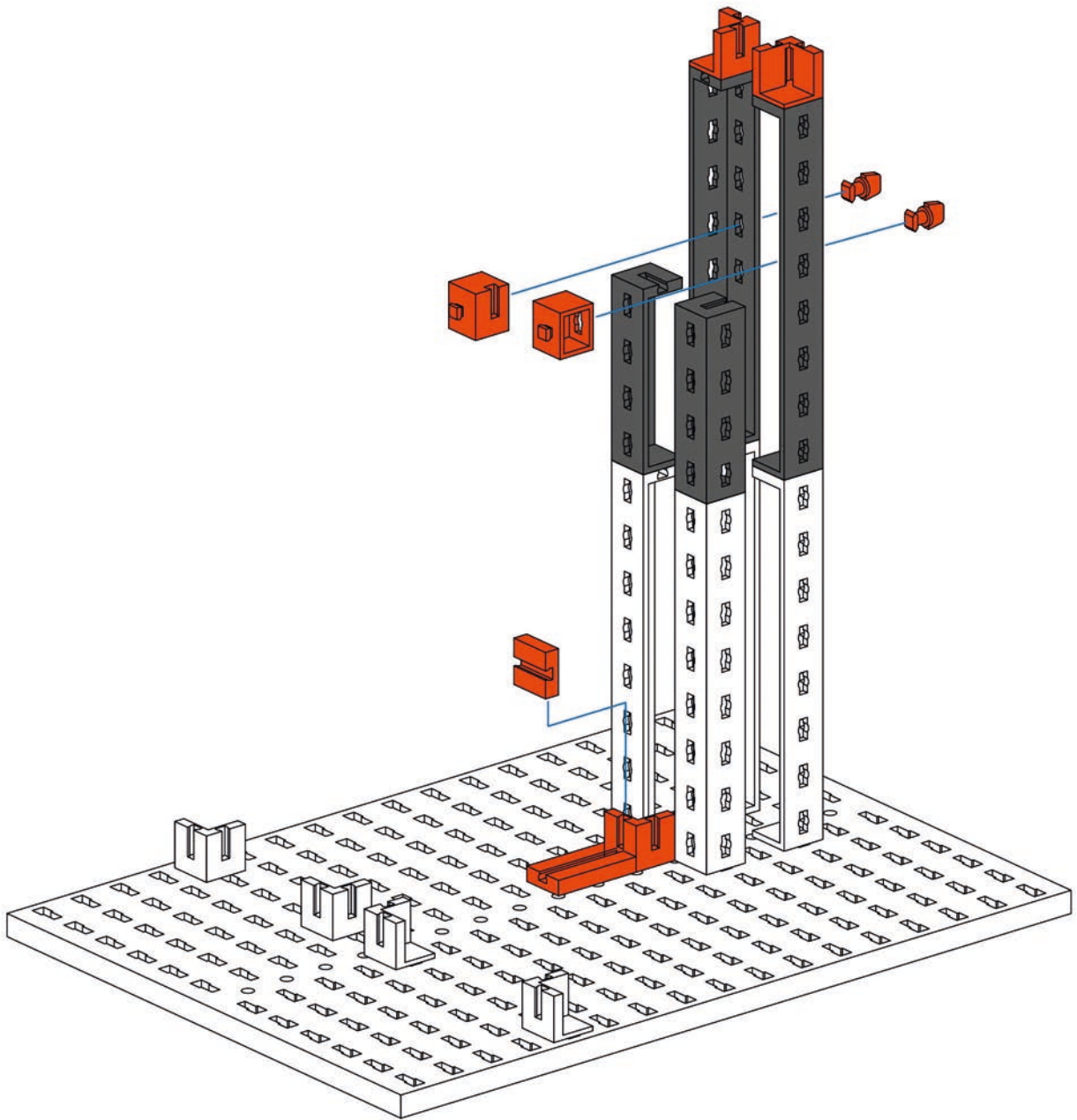
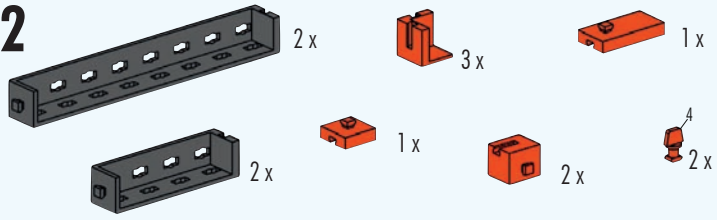
Versuchsmodell 4
Model for experiment 4
Maquette d'essai 4

Testmodel 4
Modelo de ensayo 4
Modelo experimental 4

Modello sperimentale 4
 Модель для опыта 4
 实验模型 4

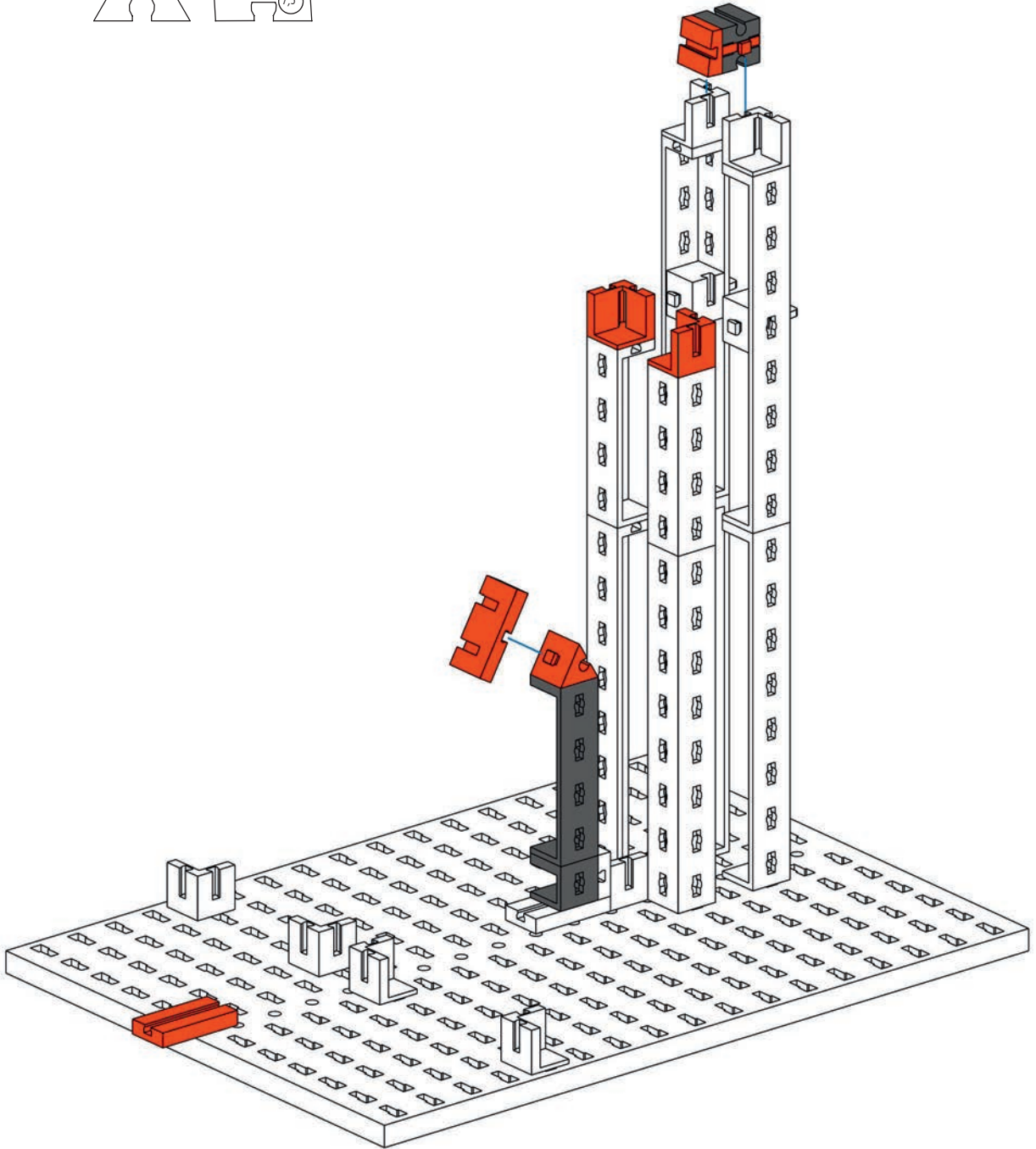
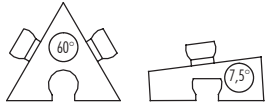


2

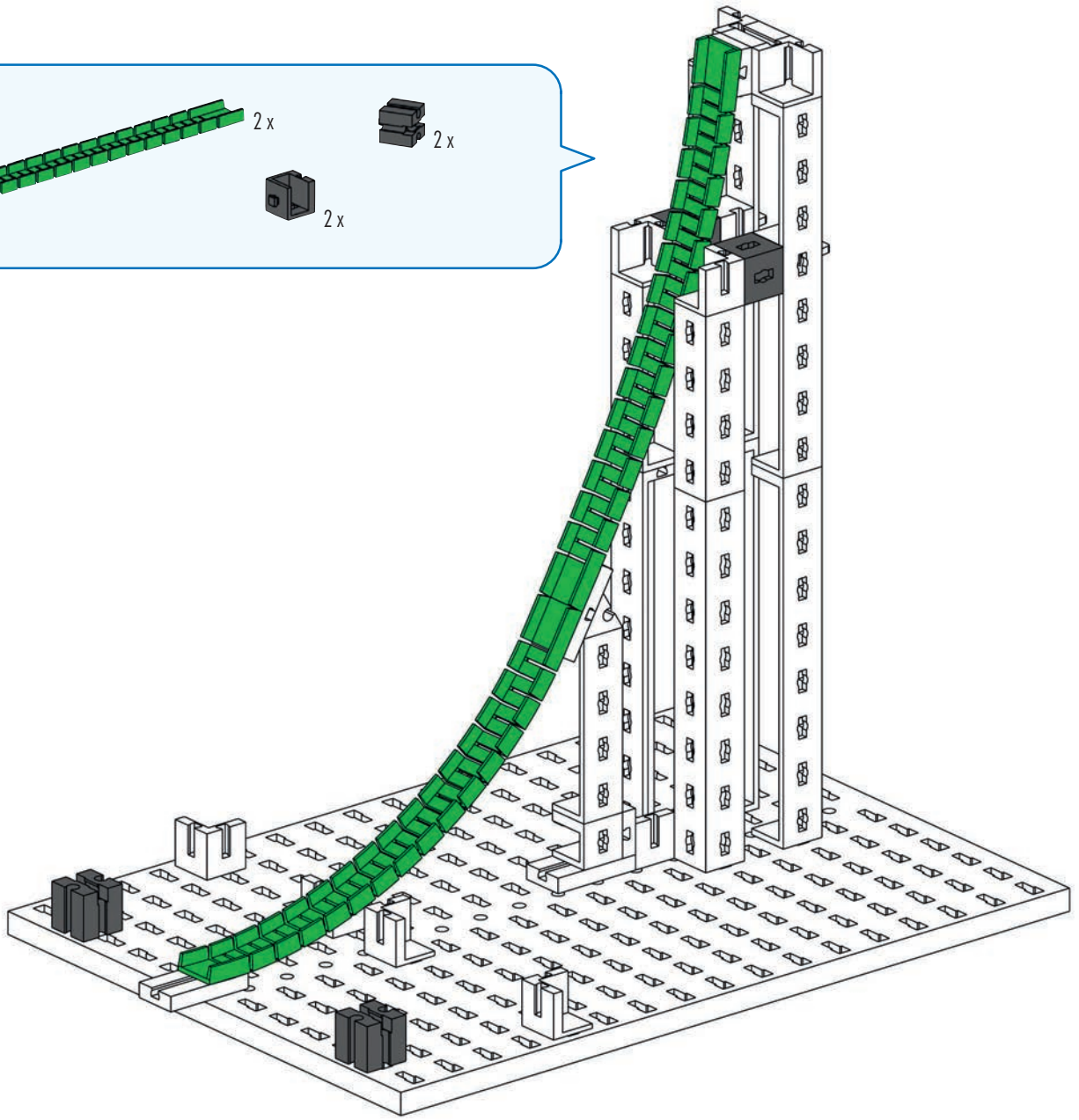
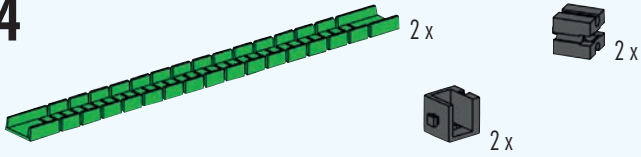


3

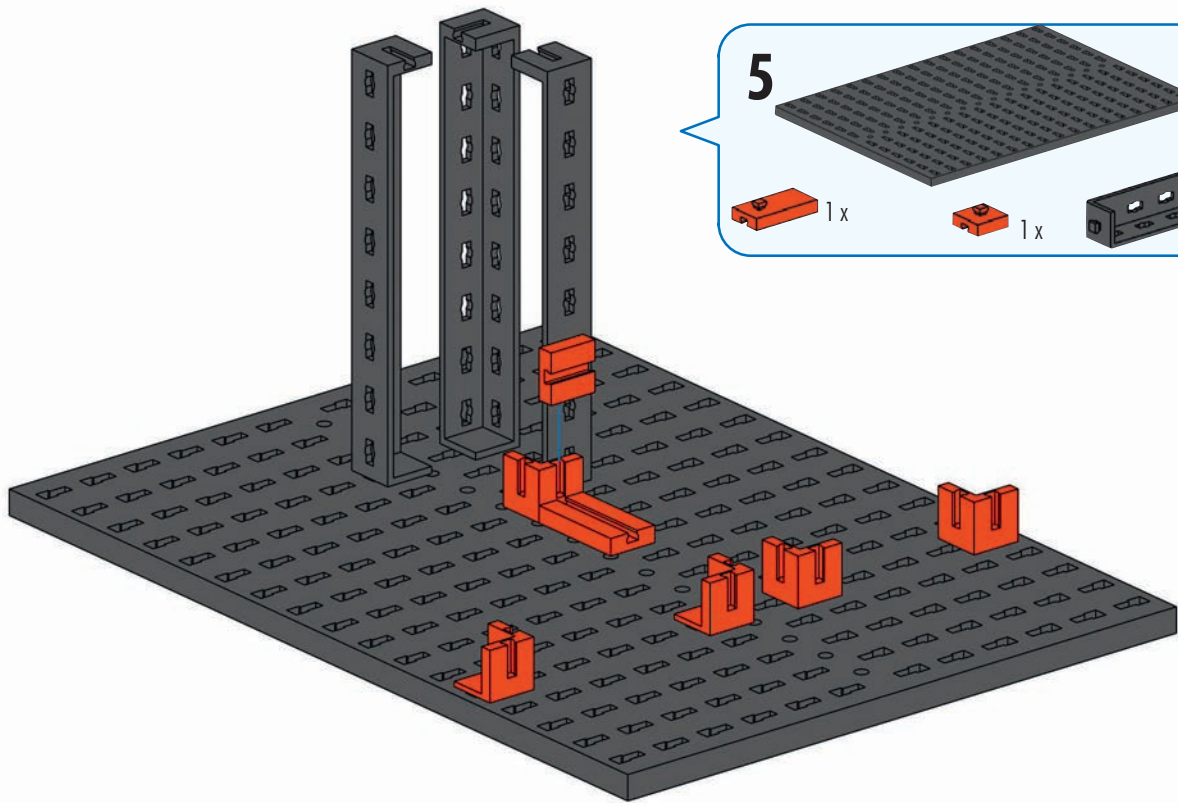
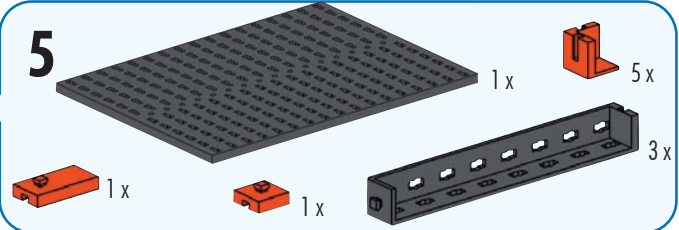
1x 1x5 Technic beam (dark grey)
 1x 1x2 Technic connector (dark grey)
 1x 1x2 Technic connector (dark grey)
 1x 1x2 Technic connector (dark grey)
 2x 1x2 Technic L-shaped connector (orange)
 1x 1x2 Technic connector (orange)
 1x 60° Technic wedge (orange)
 1x 7.5° Technic wedge (orange)
 1x 1x3 Technic beam (orange)
 1x 1x3 Technic beam (orange)



4

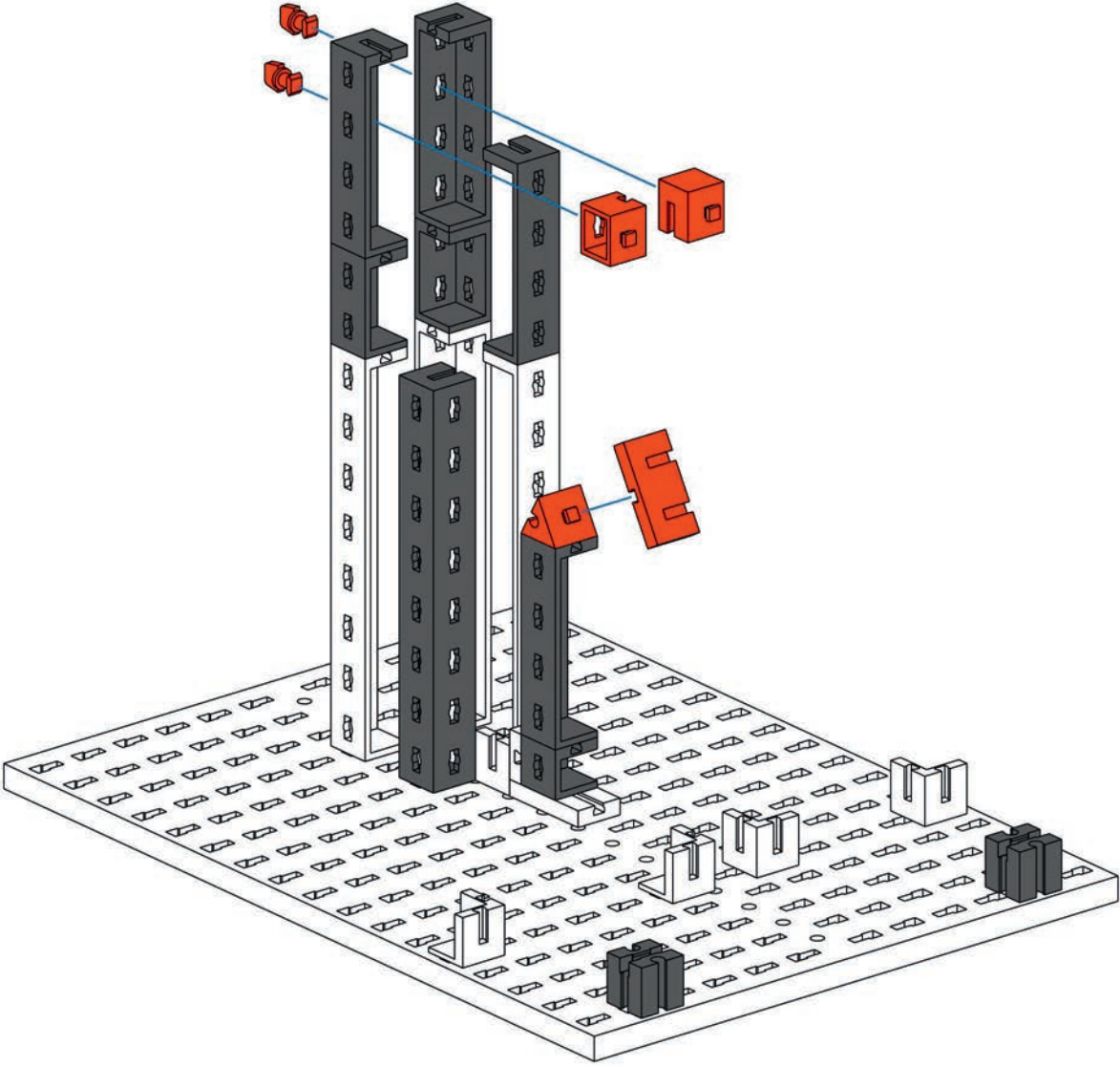
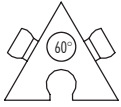



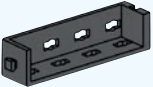


5

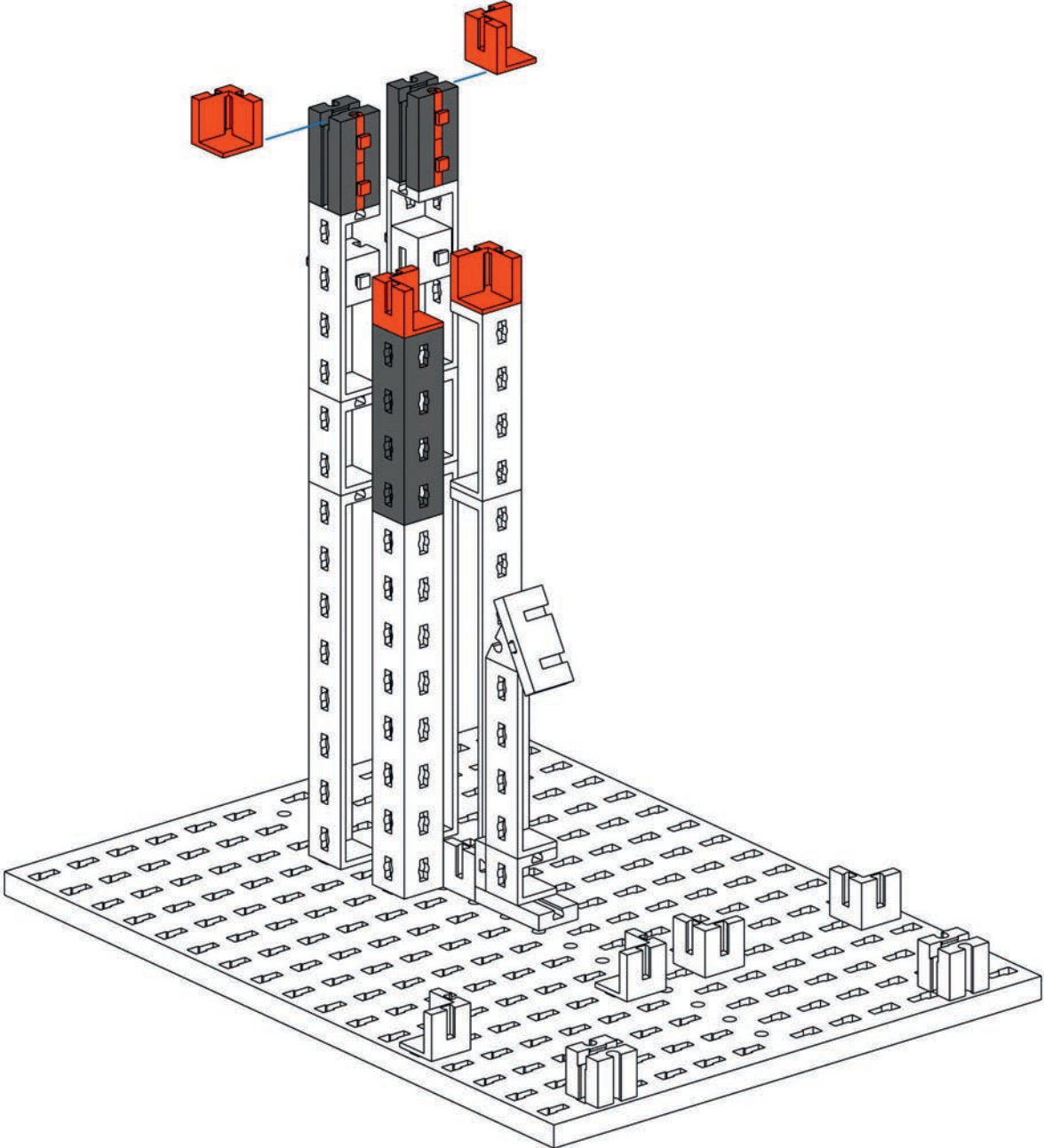


6

- 1 x 1x10 grey Technic beam
- 4 x 1x4 grey Technic beam
- 2 x 1x2 grey Technic beam
- 1 x 1x2 grey Technic beam
- 2 x 1x2 grey Technic beam
- 2 x 1x2 red Technic beam
- 1 x 1x2 red Technic beam
- 2 x red Technic pins
- 1 x red 60° Technic pin

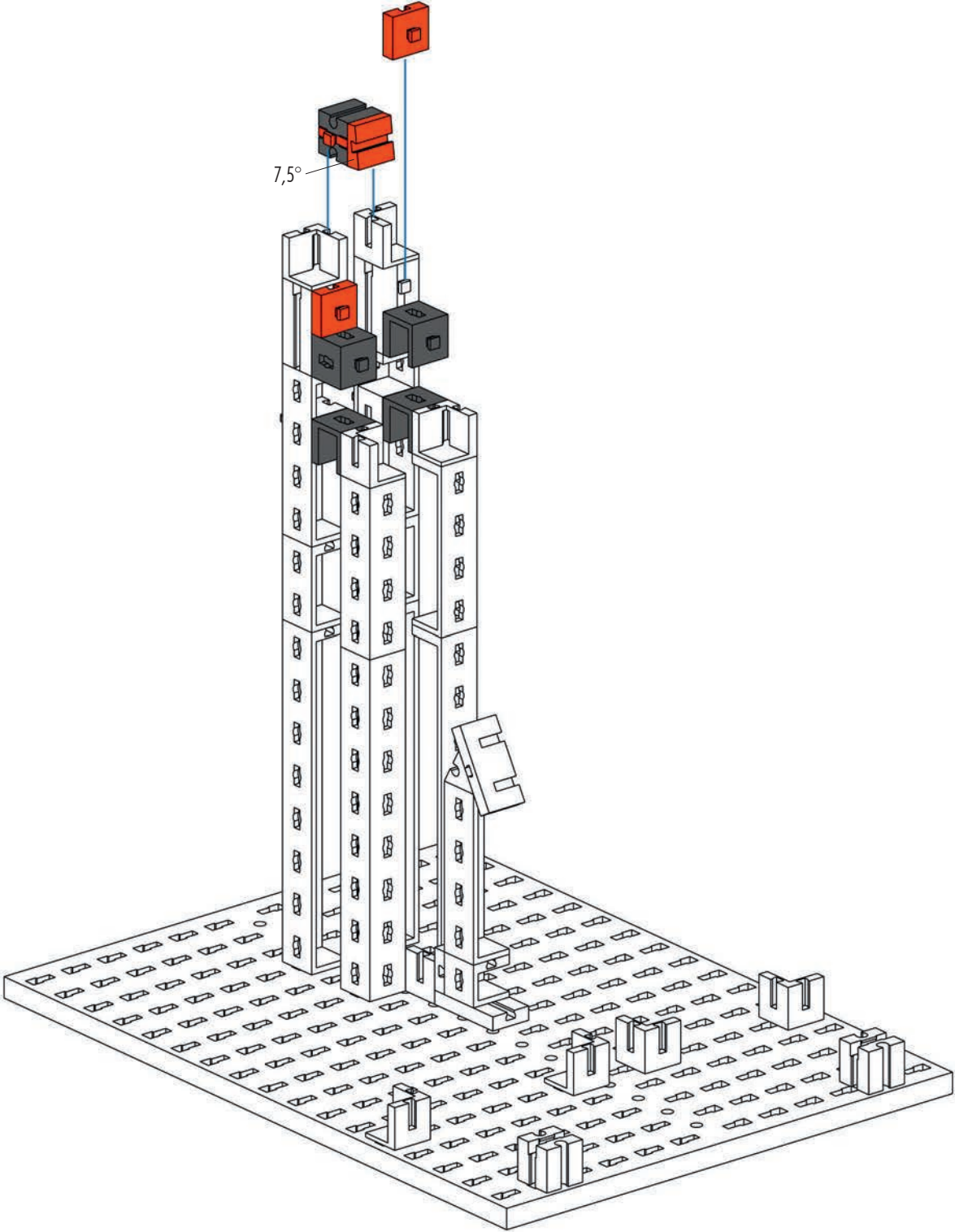


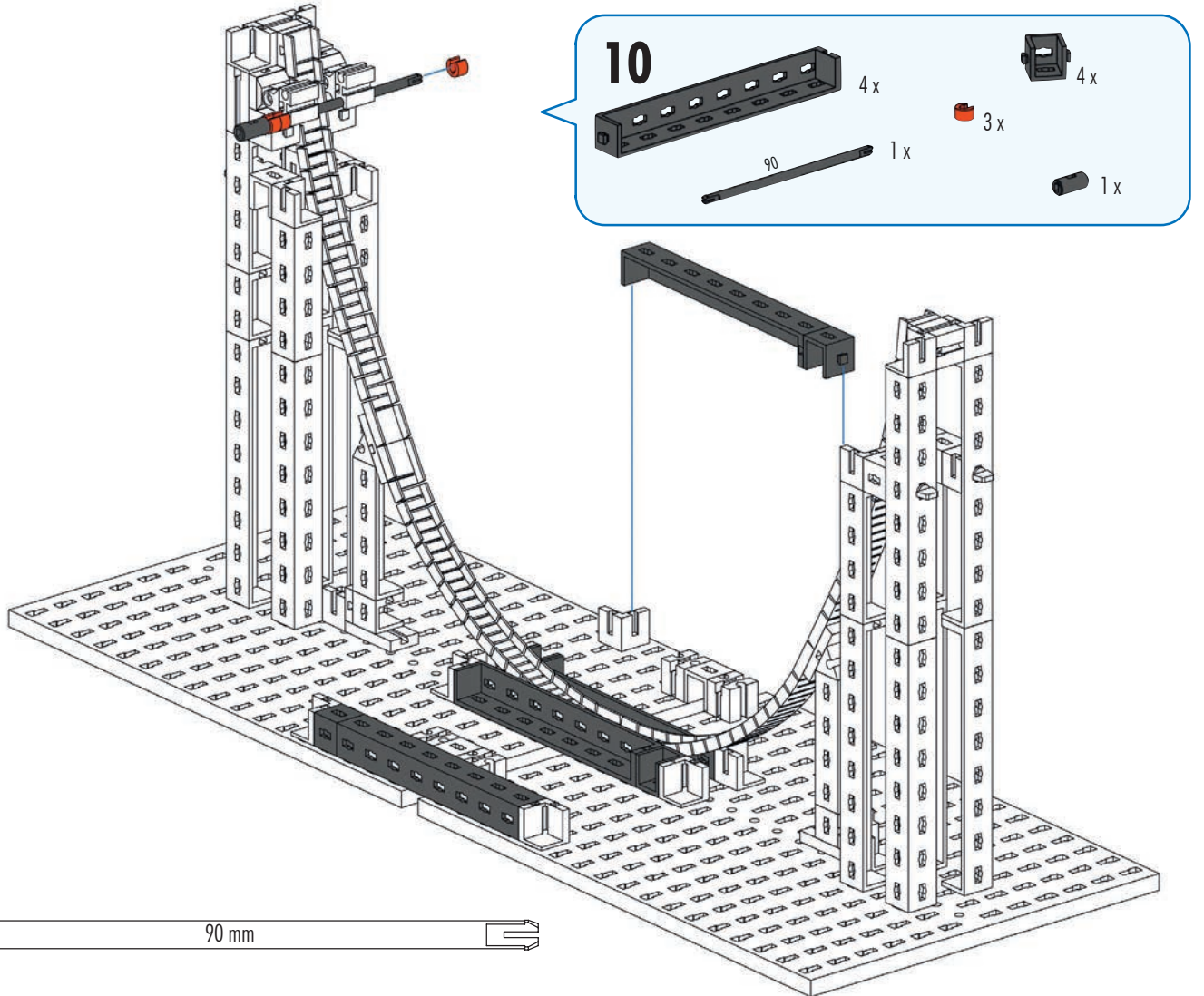
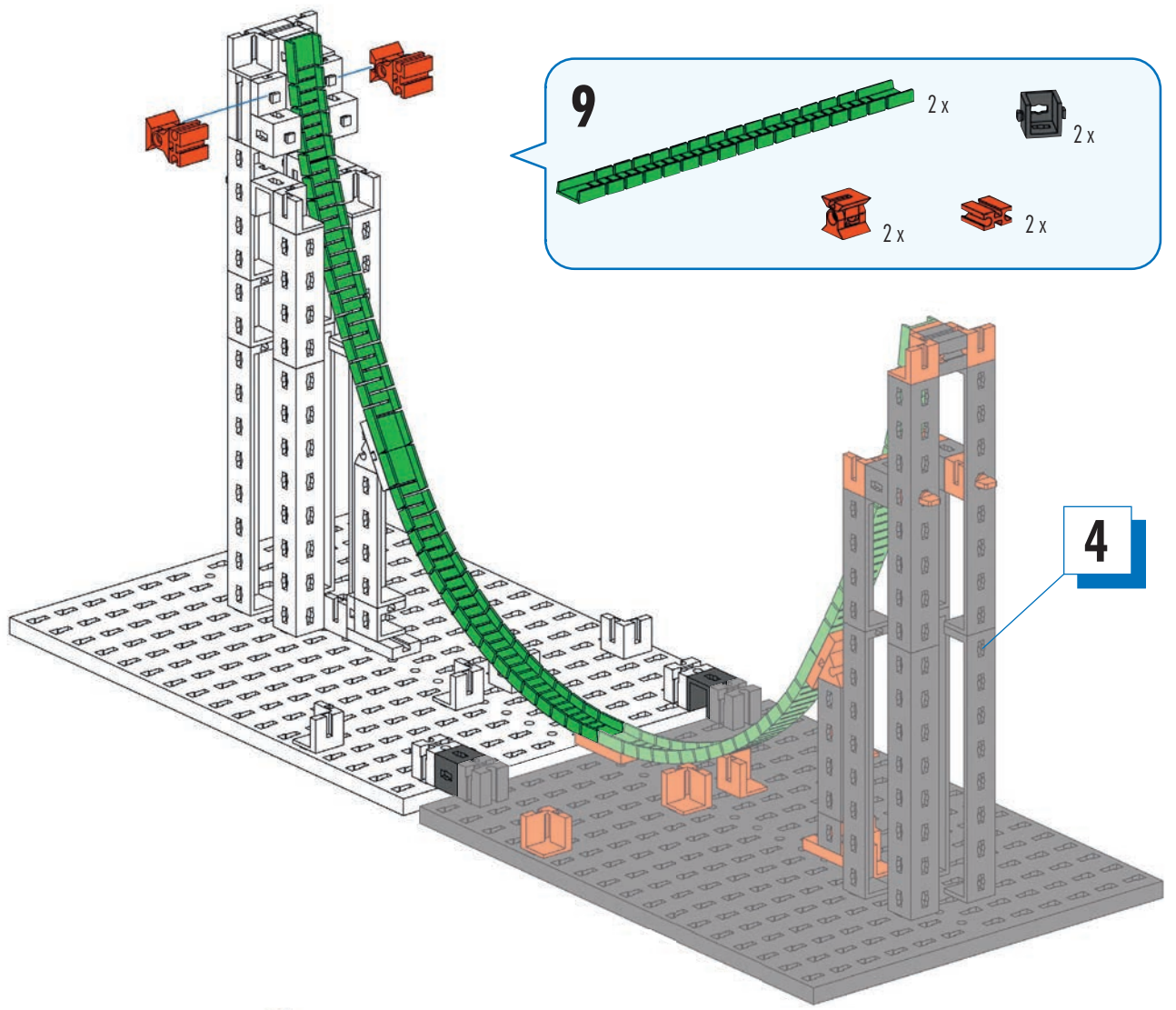
7  2x  1x  4x  4x

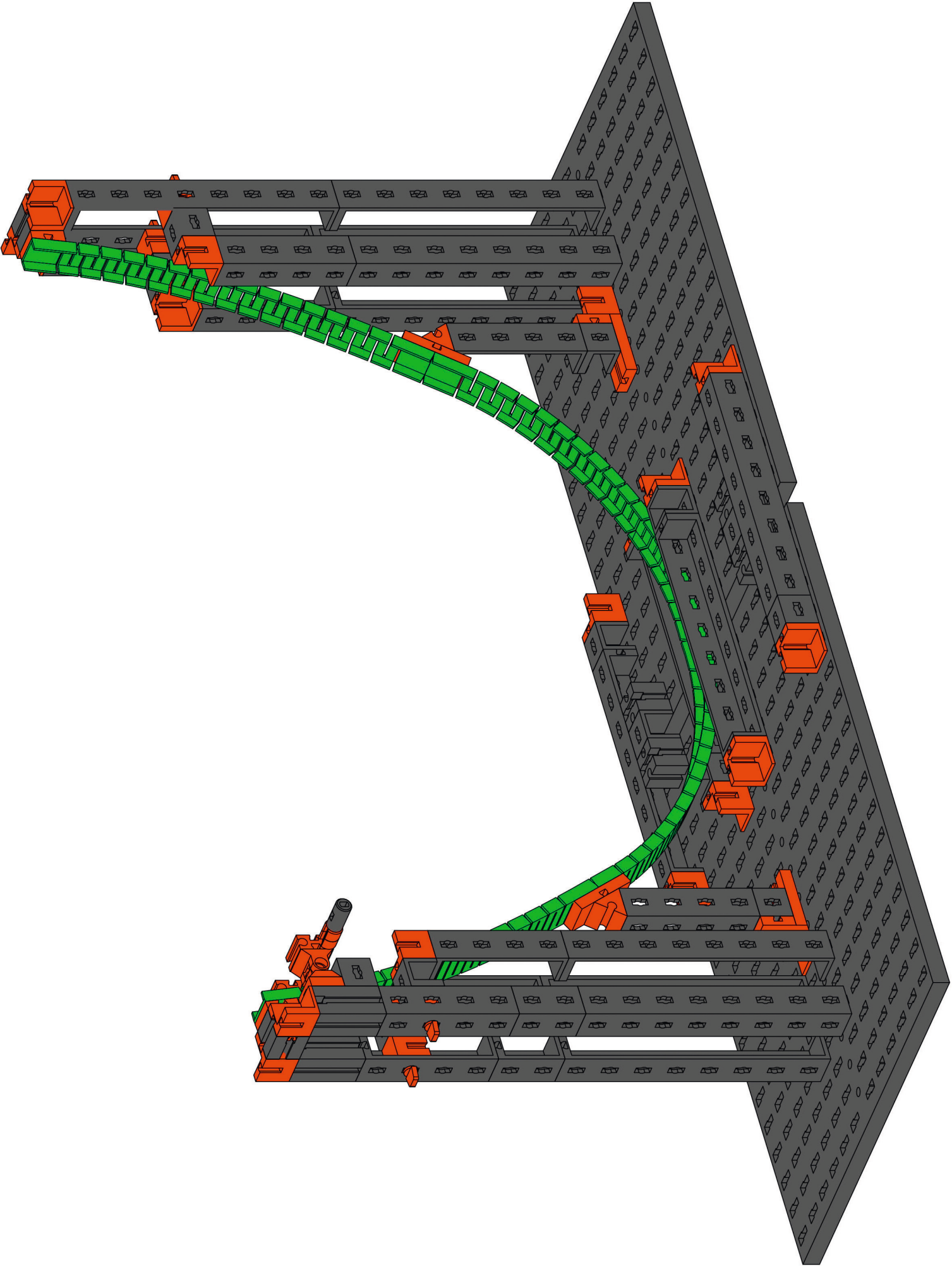


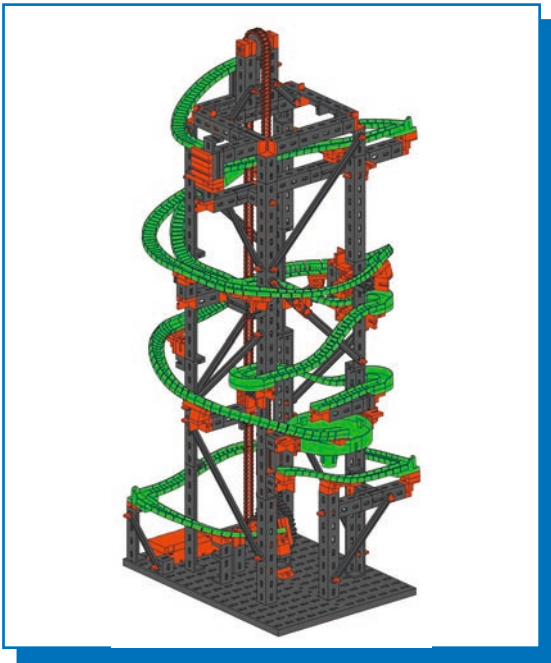
8

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







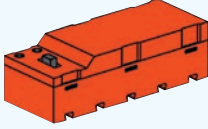



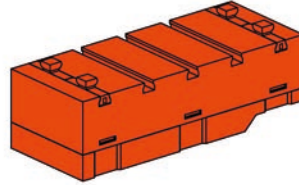
Parcours 1
Obstacle course 1
Parcours 1

Parcours 1
Pista de recorrido 1
Circuito 1

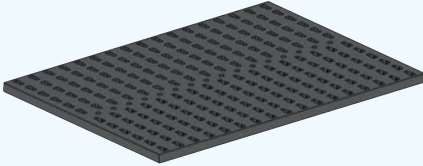
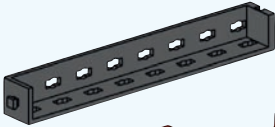
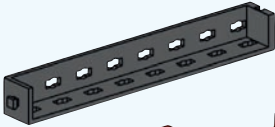



Circuito 1
Маршрут 1
滚珠弯道 1

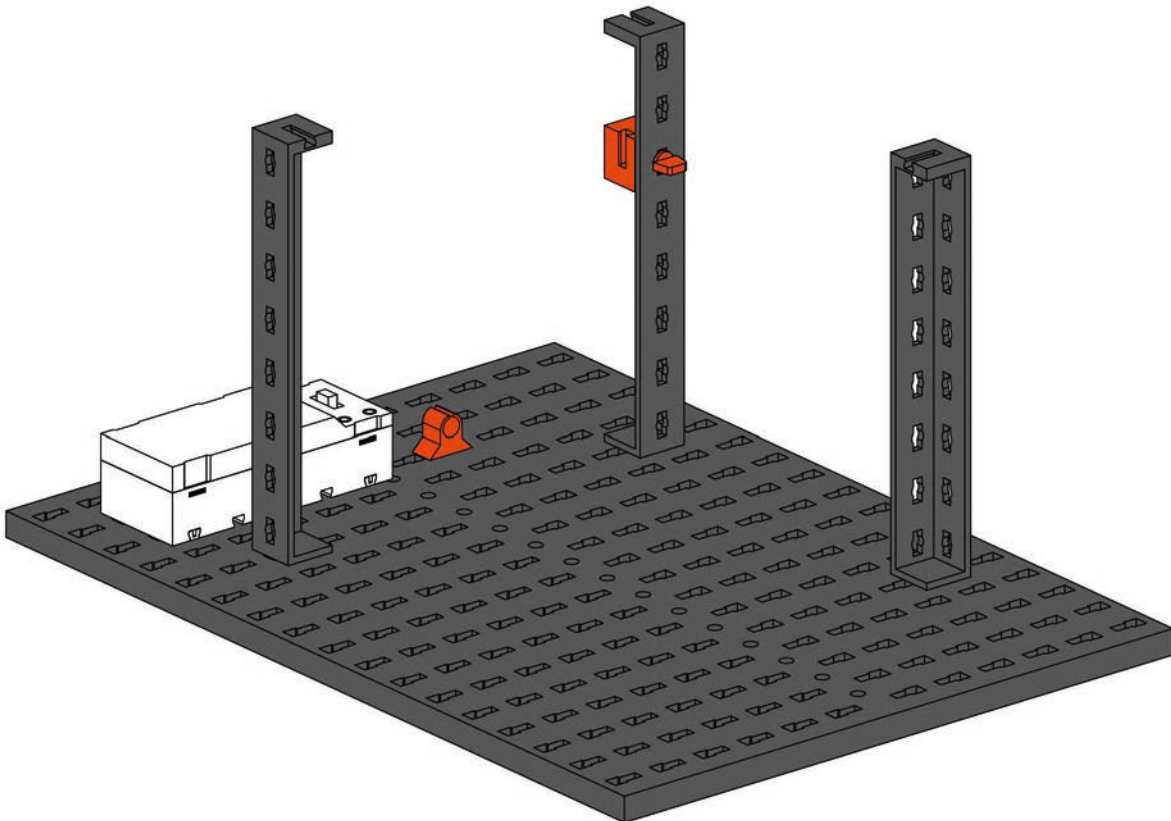
1

1 x  4 x 

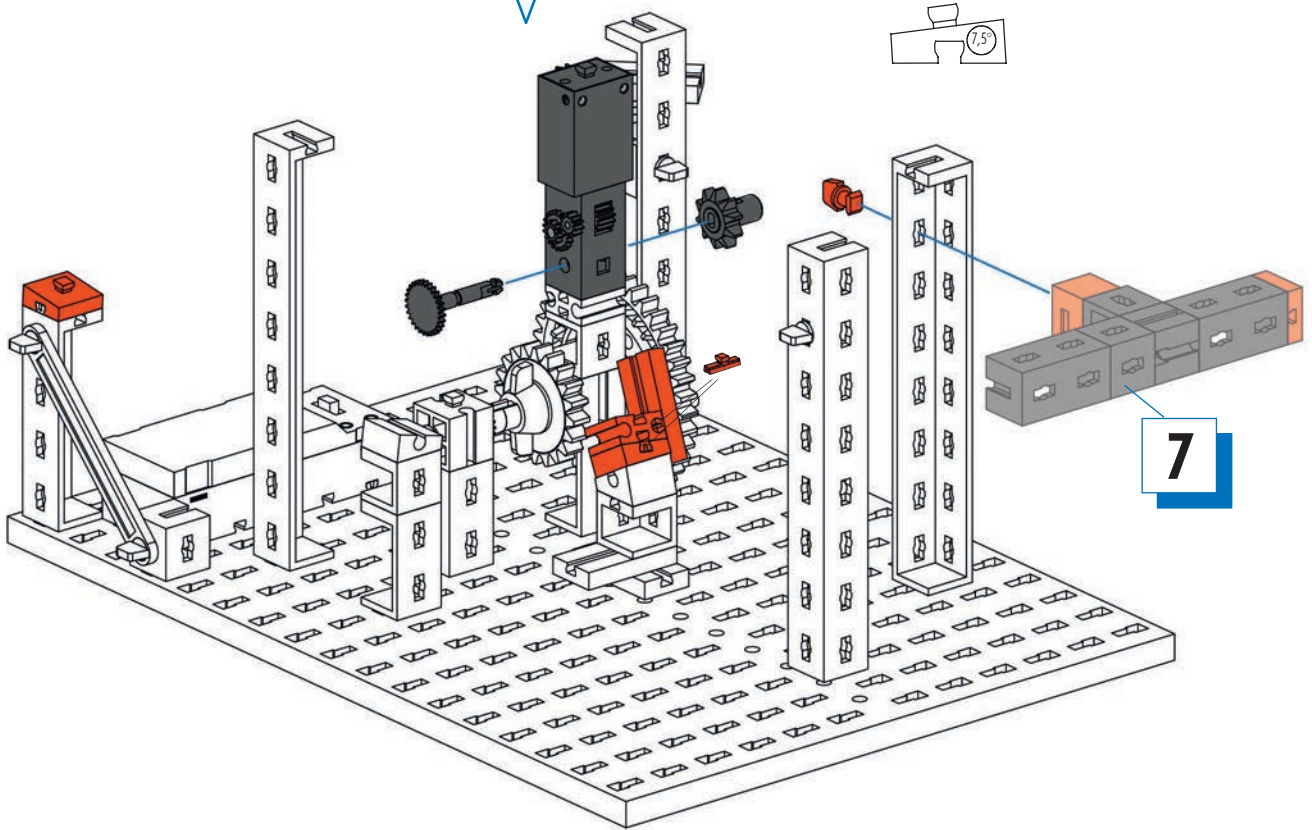
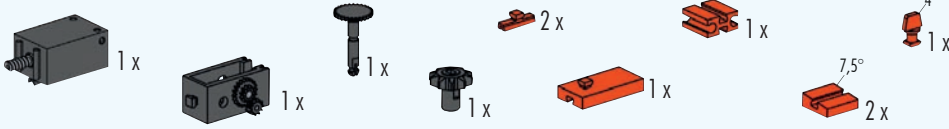


2

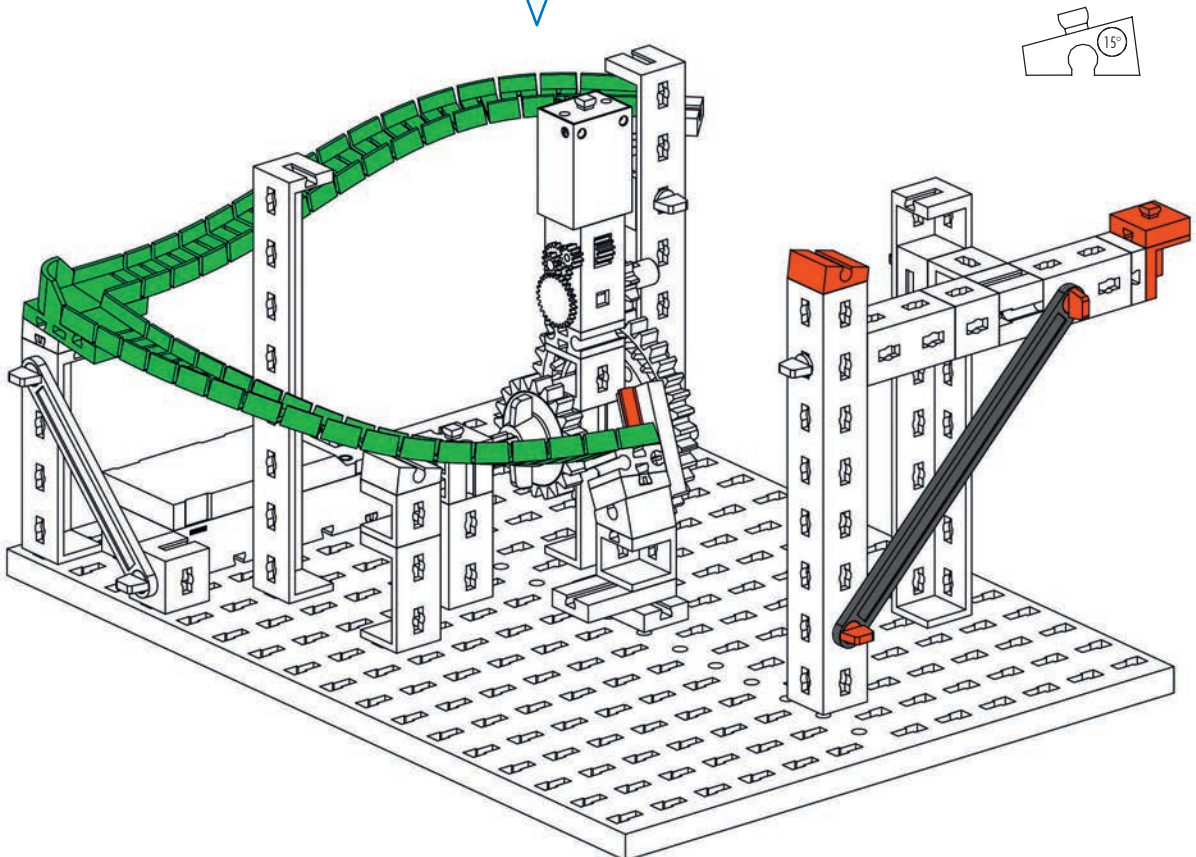
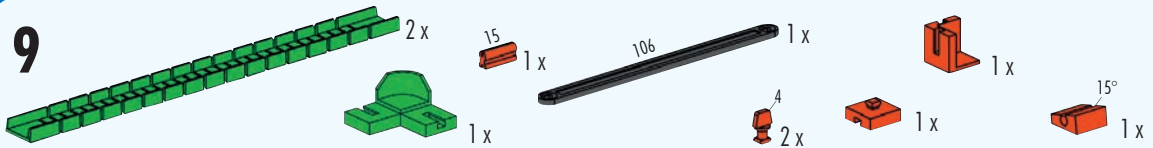
1 x  1 x  3 x  1 x  1 x  1 x 



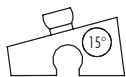
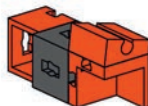
8



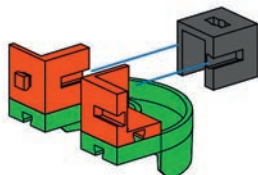
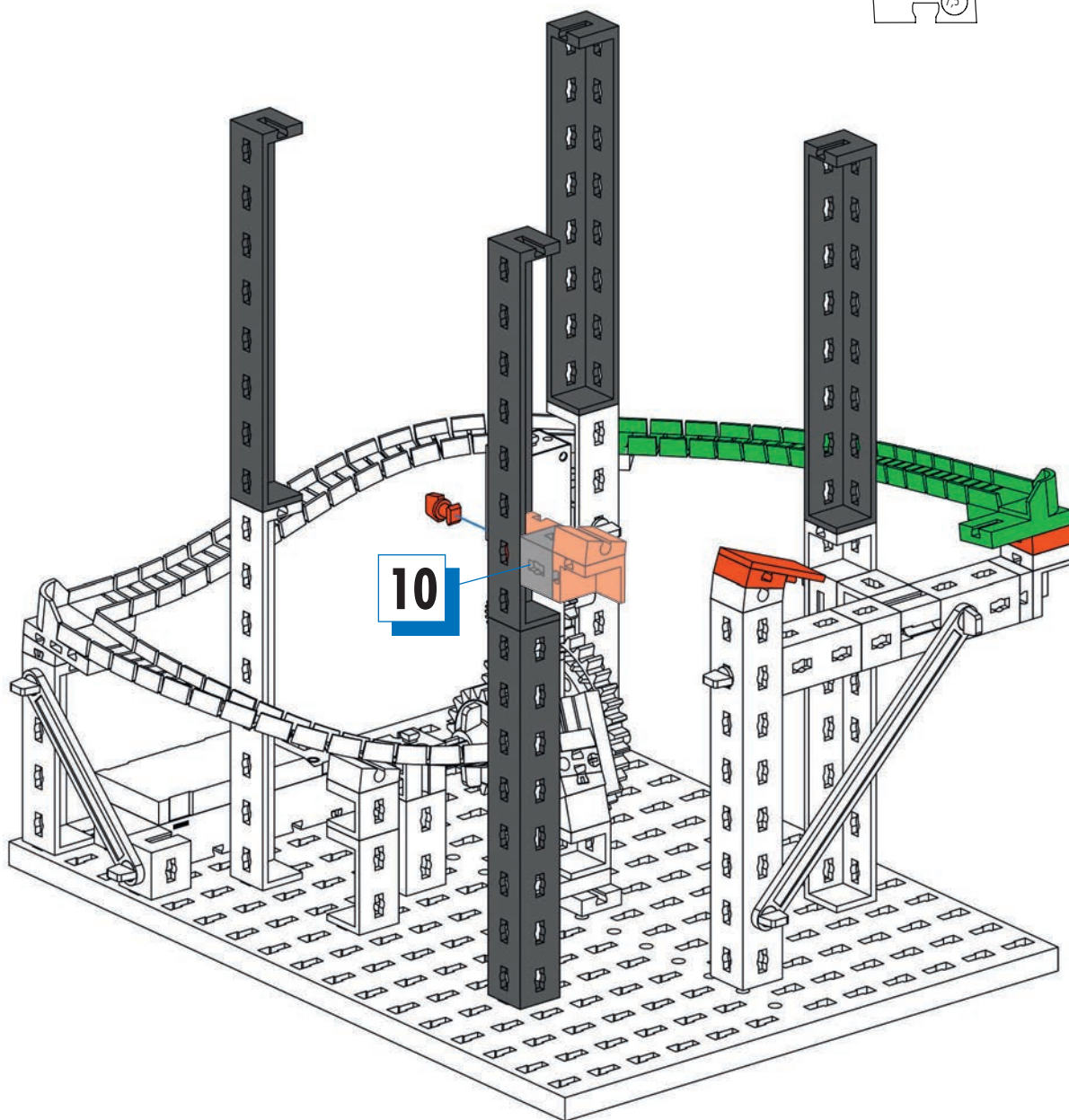
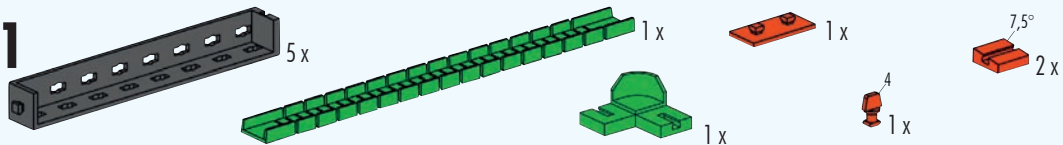
9



10

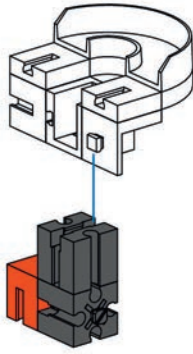




11






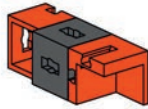
12



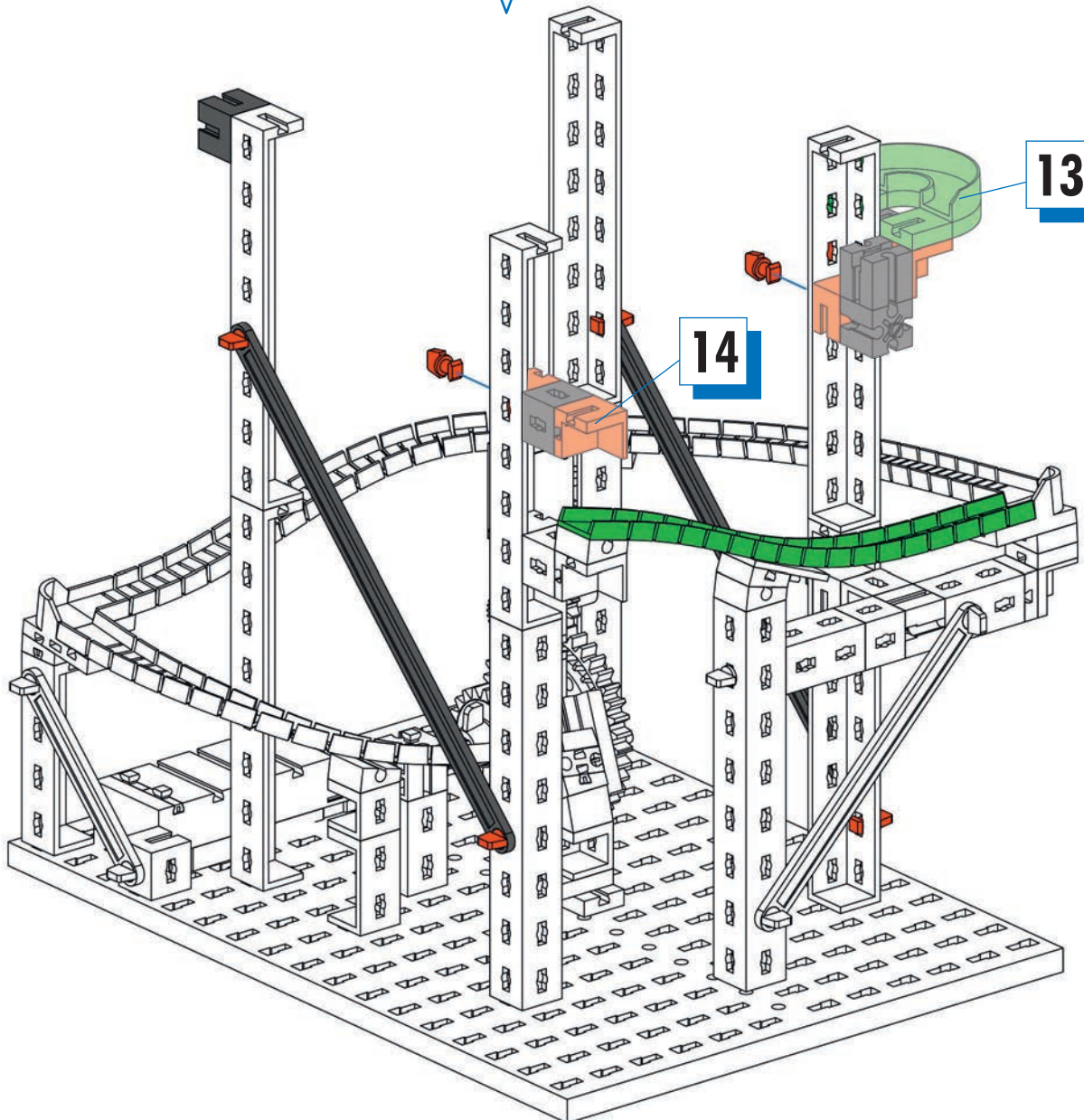


13  1x  2x

14  1x  1x  1x



15  1x  2x  1x  6x

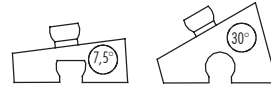




16 1x 2x 1x 1x 1x

1x 2x 1x 1x

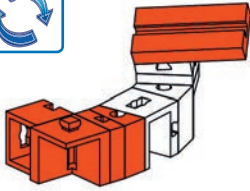
7.5° 30°



17 1x 1x 1x 1x 2x

1x 1x 1x 2x

7.5° 30°



18 1x 1x 1x 1x 1x

1x 1x 1x 1x

15°

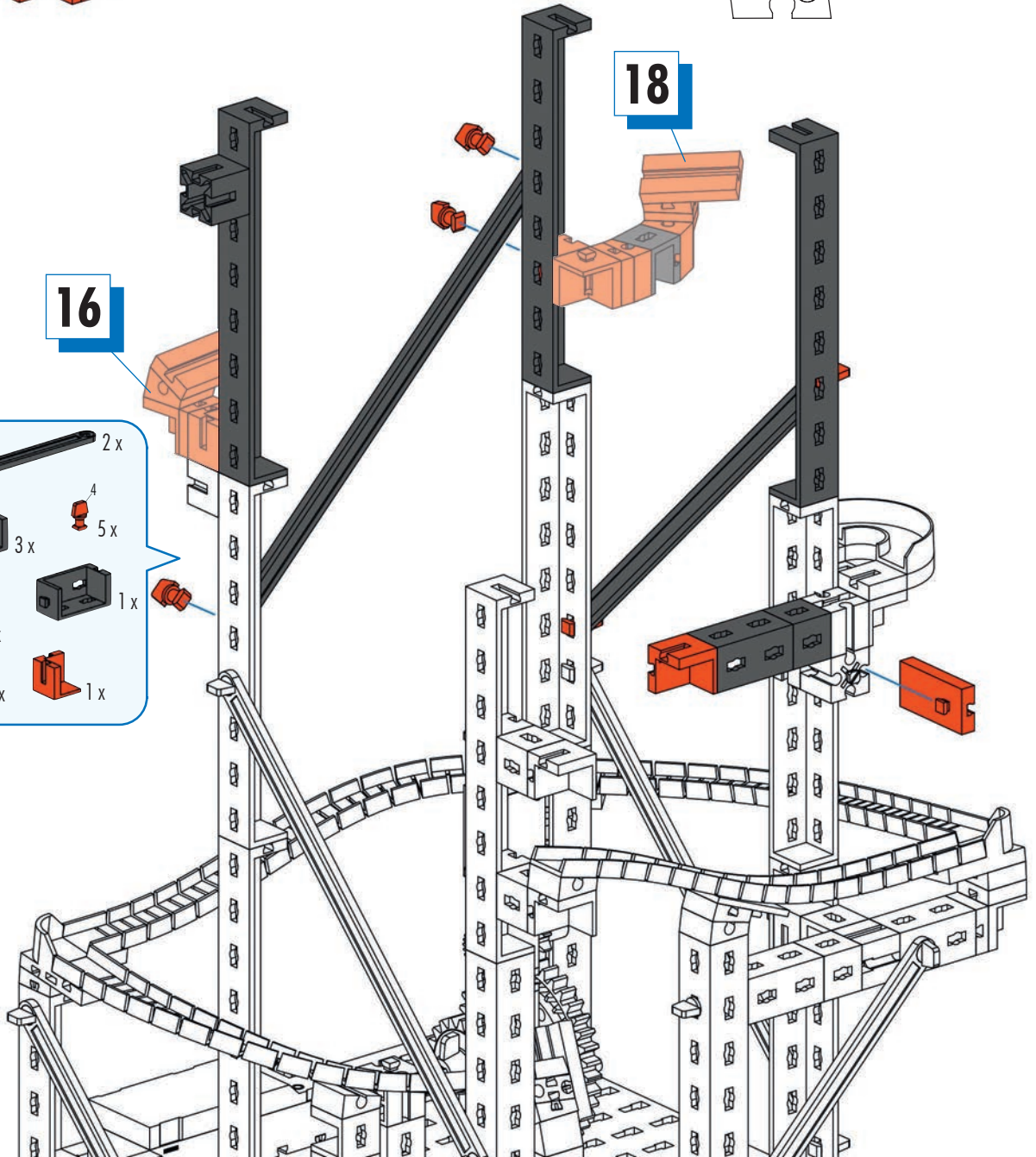


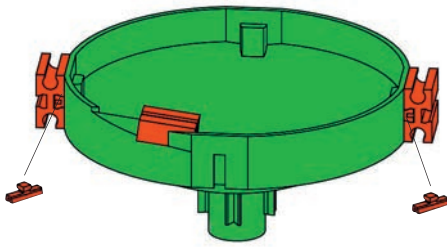
18

16

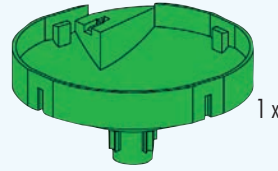
19 169,6 2x 3x 5x 1x 1x 1x 1x

1x 1x 1x 1x





20



1 x



2 x

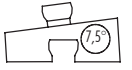


2 x



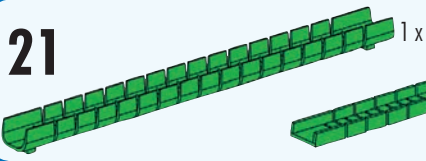
7,5°

1 x

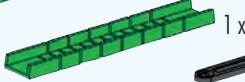


7,5°

21



1 x



1 x



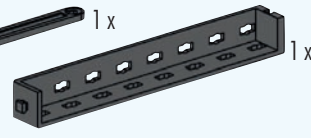
4

2 x

169,6



1 x



1 x



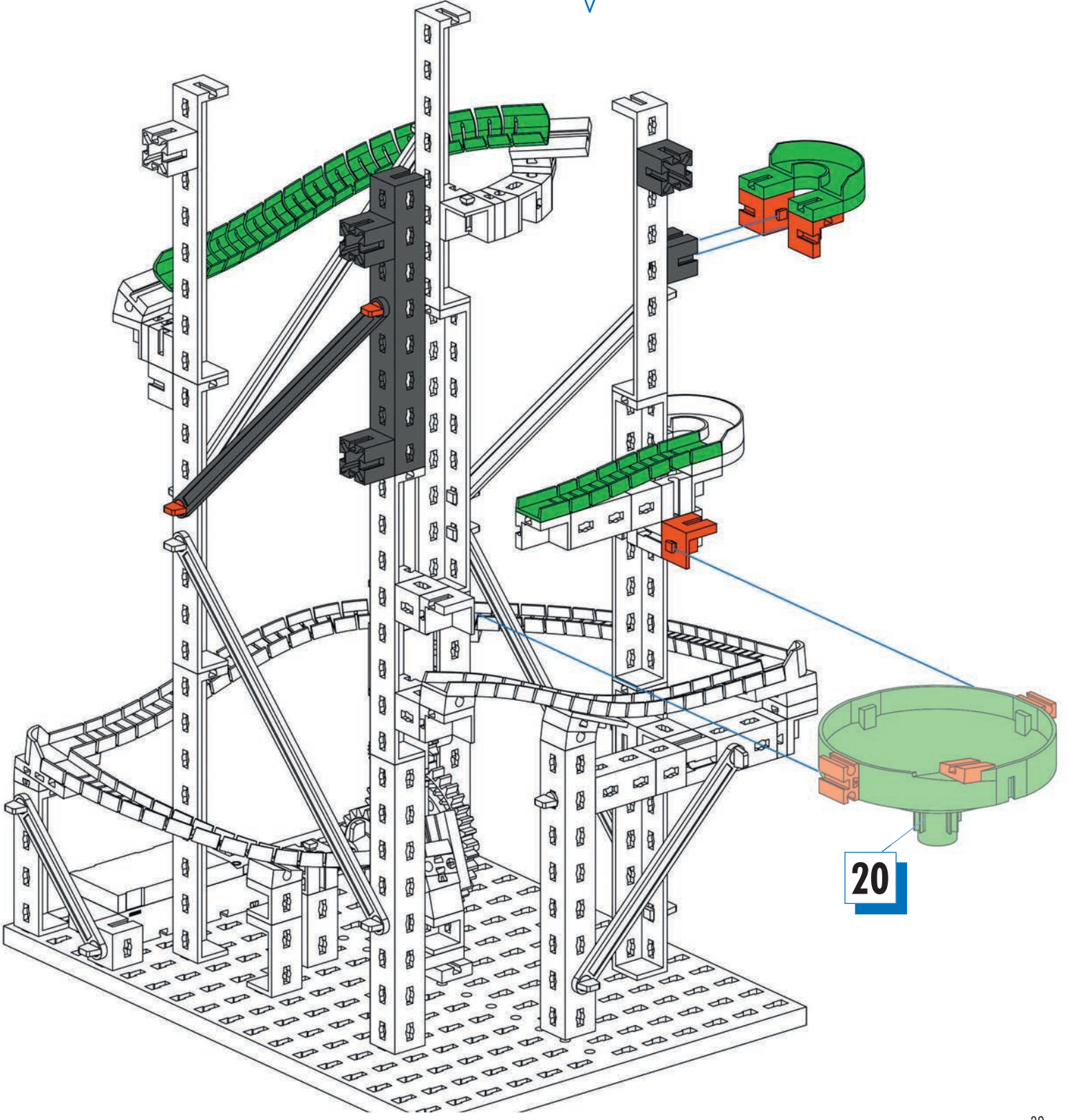
3 x



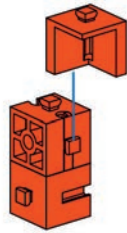
4 x









1 x

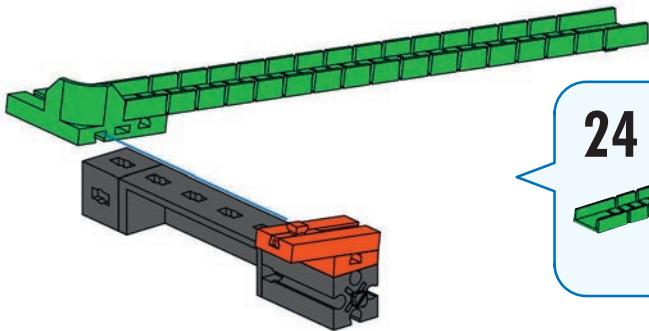
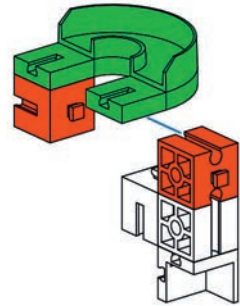



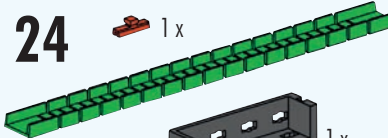


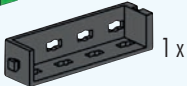
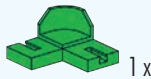


20





22  1x  1x  2x

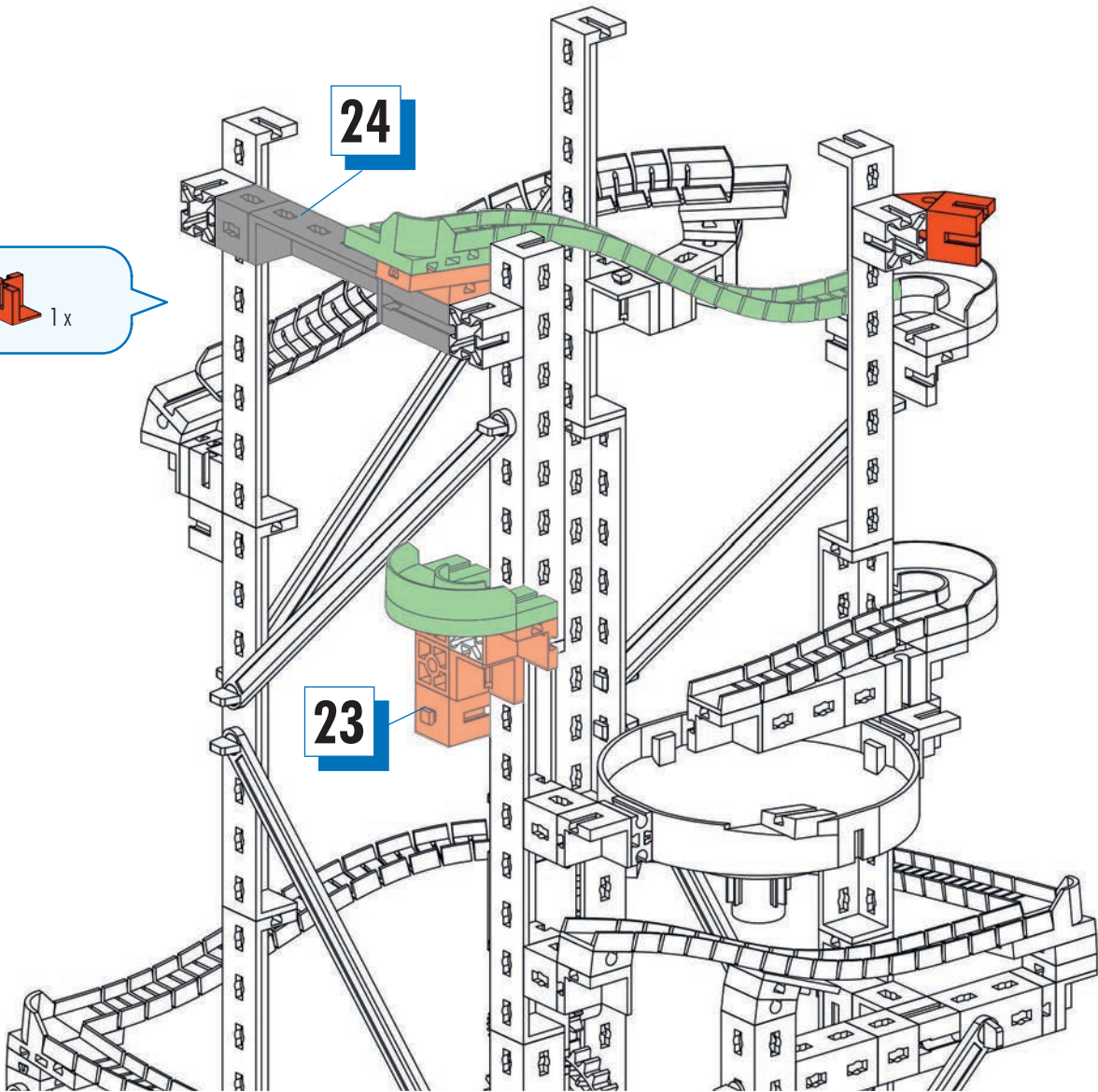
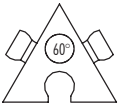
23  1x  1x  1x



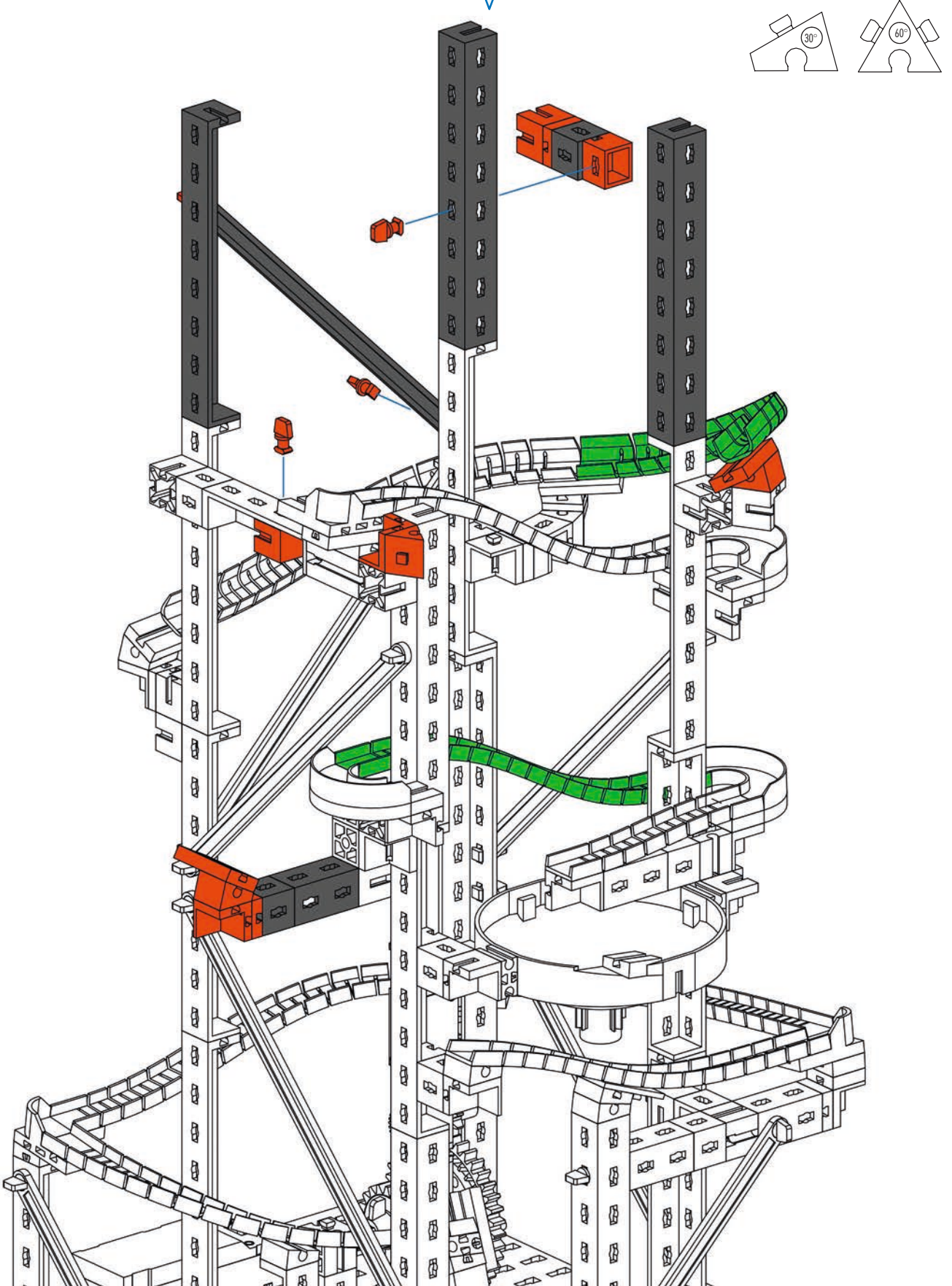
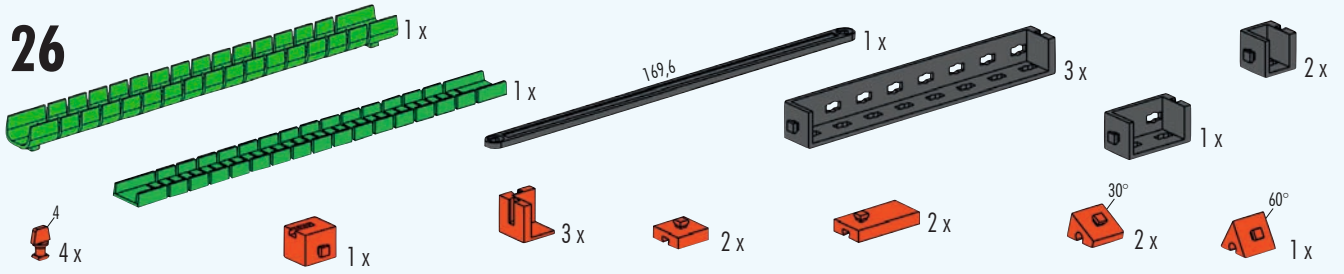
24  1x  1x  1x  1x  1x  1x  1x  1x ^{7,5°}

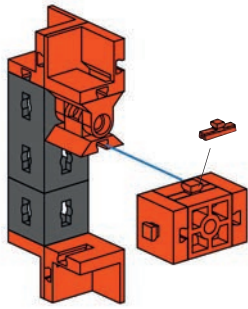


25  ^{60°} 1x  1x



26



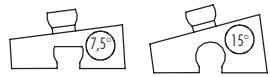


27

- 1x
- 1x
- 4x
- 1x
- 1x
- 2x

28

- 2x
- 1x
- 1x
- 1x
- 4x
- 1x
- 1x
- 1x
- 106
- 1x
- 1x
- 2x
- 1x
- 1x

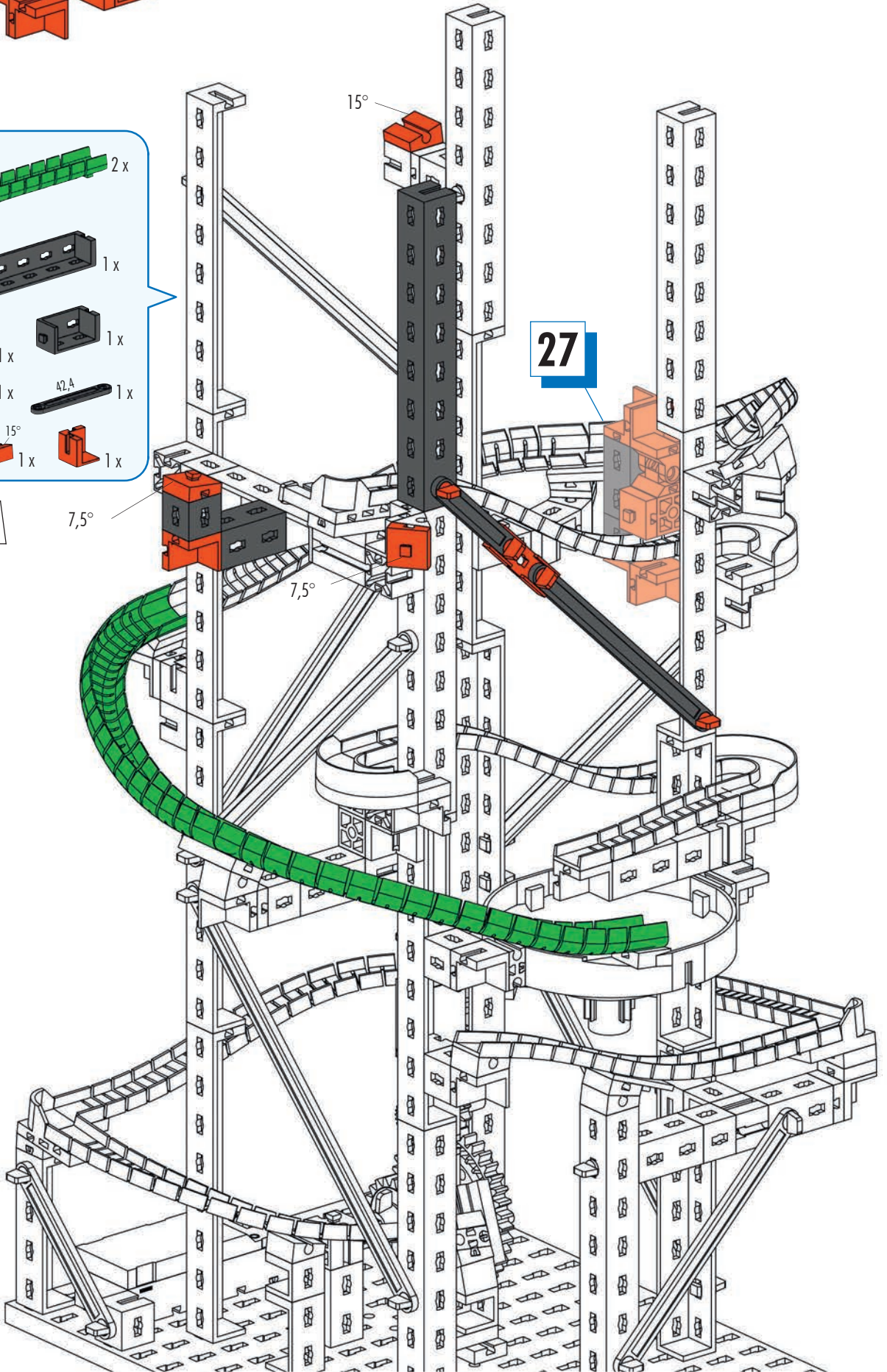


7,5°

7,5°

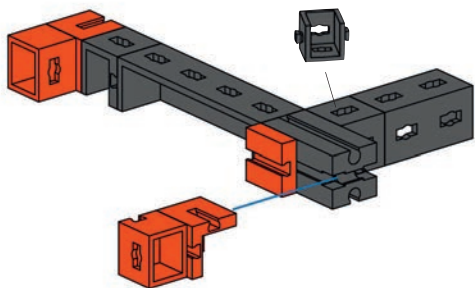
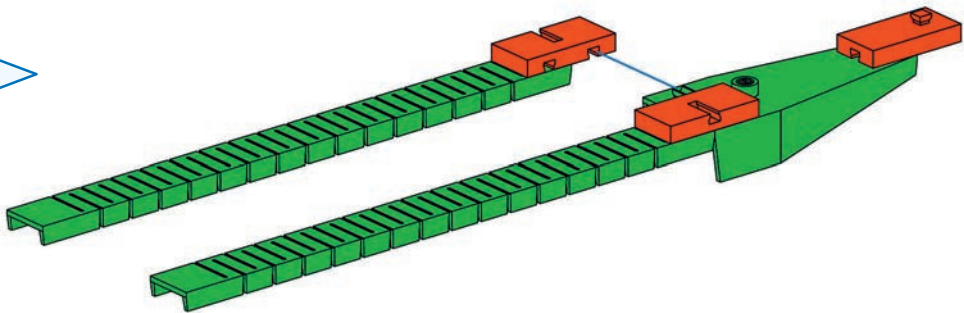
15°

27



29

- 2 x Green Technic Beam (16 holes)
- 1 x Green Technic Wedge (1 hole)
- 2 x Orange Technic Pin
- 1 x Orange Technic Pin (with hole)

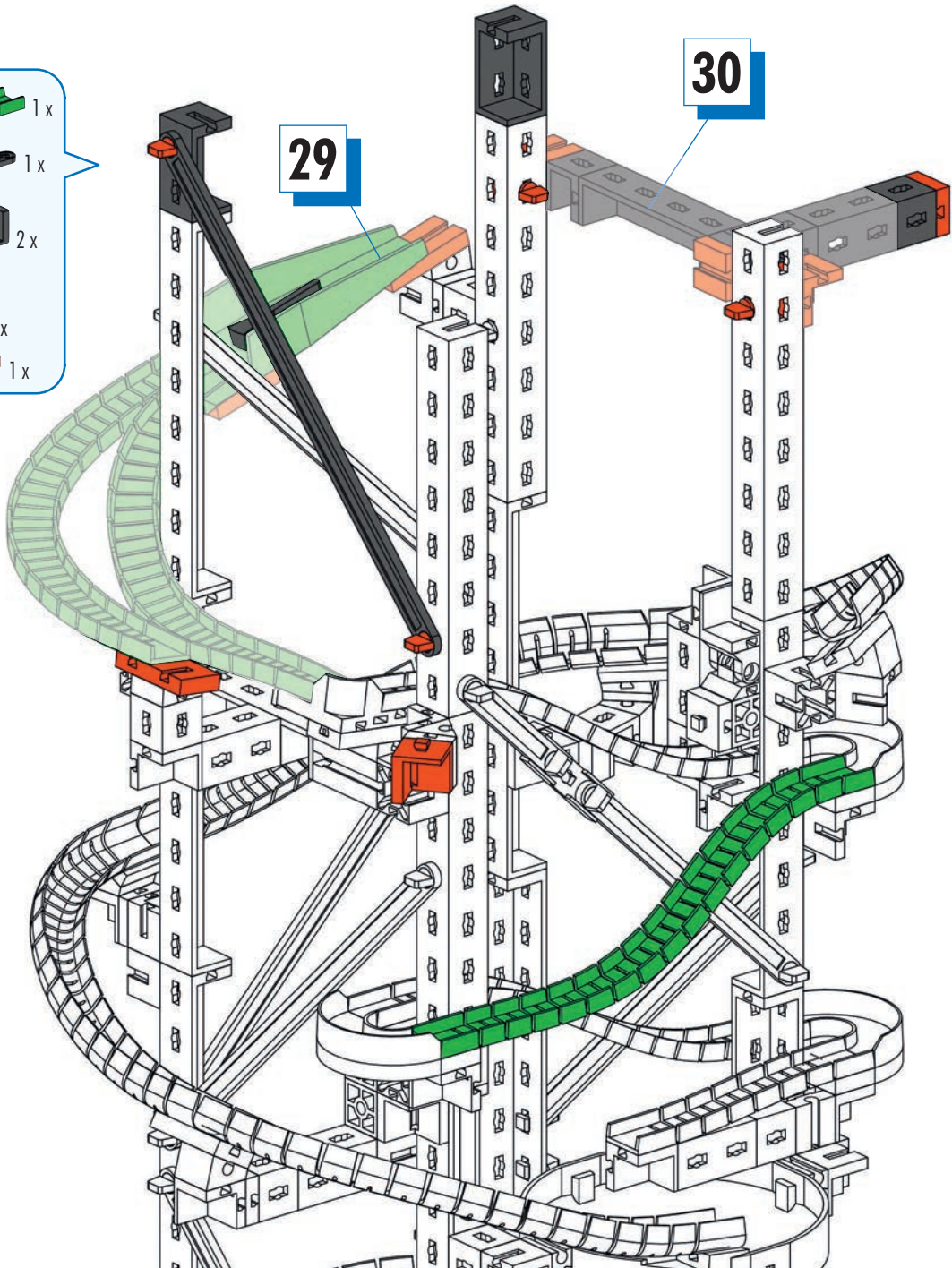


30

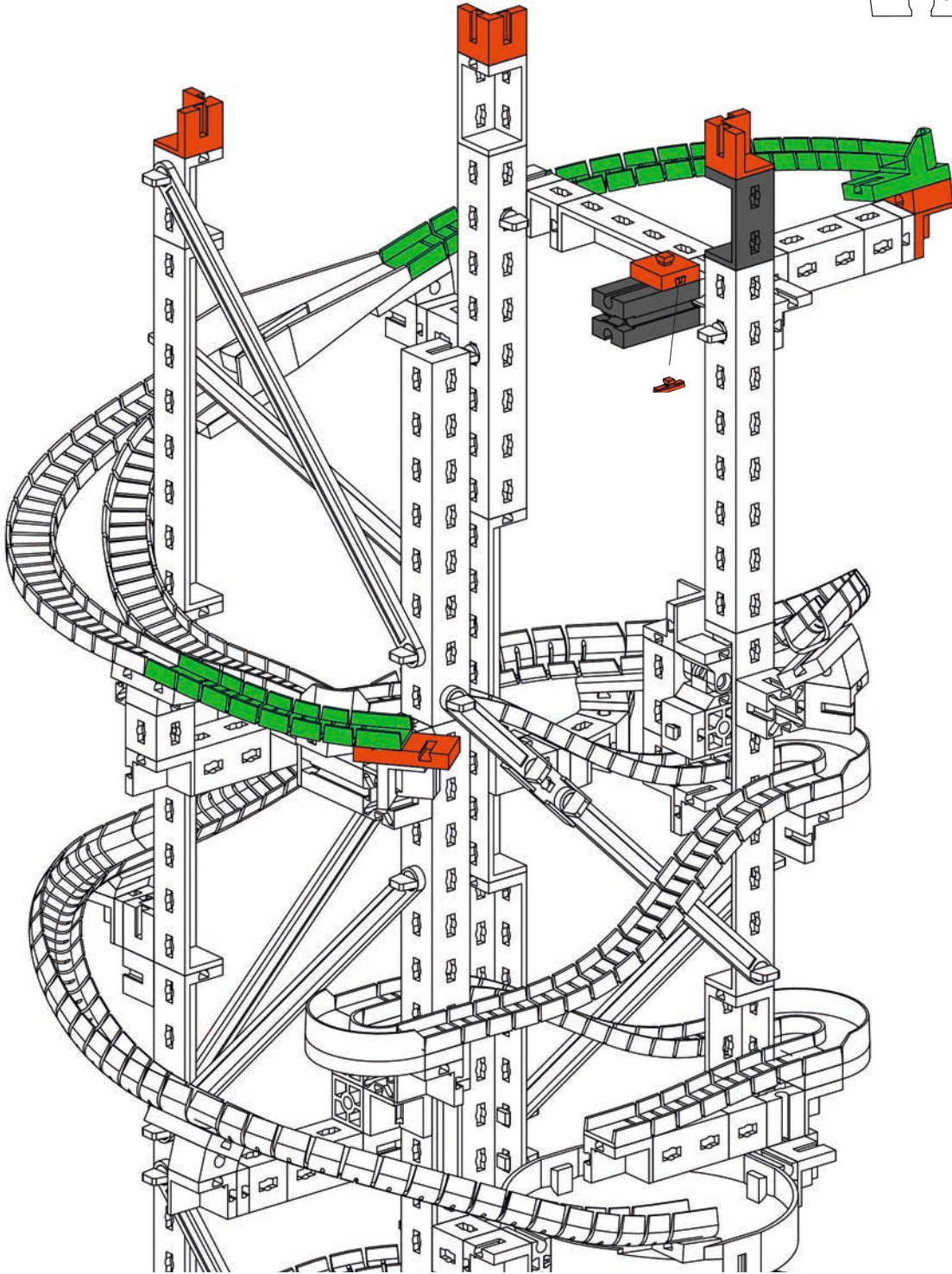
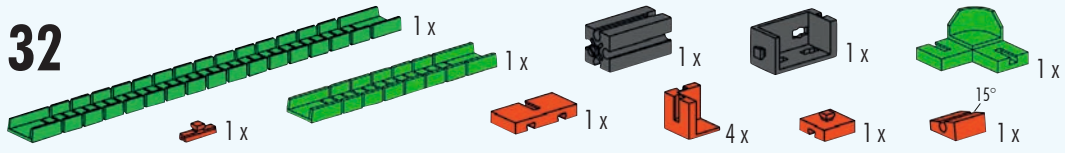
- 1 x Grey Technic Pin
- 1 x Grey Technic Pin (with hole)
- 1 x Grey Technic Beam (10 holes)
- 1 x Grey Technic Pin (with hole)
- 2 x Orange Technic Pin
- 1 x Orange Technic Pin (with hole)
- 2 x Orange Technic Pin (L-shaped)

31

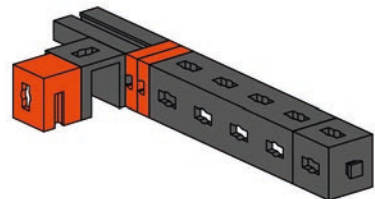
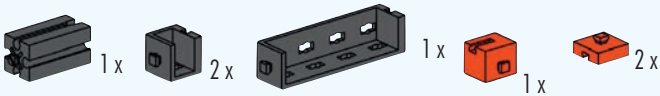
- 1 x Green Technic Beam (16 holes)
- 1 x Black Technic Beam (169.6)
- 2 x Grey Technic Pin (with hole)
- 1 x Grey Technic Pin
- 4 x Red Technic Pin
- 1 x Orange Technic Pin
- 1 x Orange Technic Pin (L-shaped)
- 1 x Grey Technic Pin (with hole)
- 1 x Orange Technic Pin (with hole)

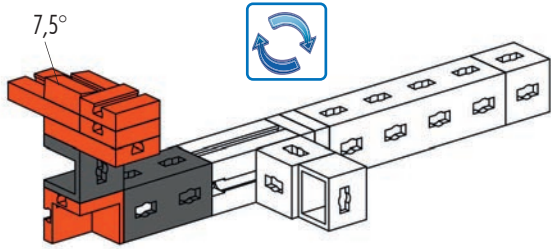


32



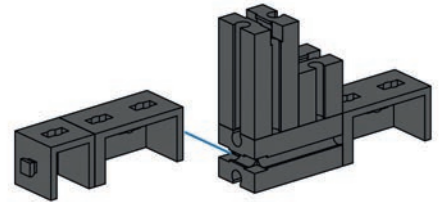
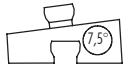
33





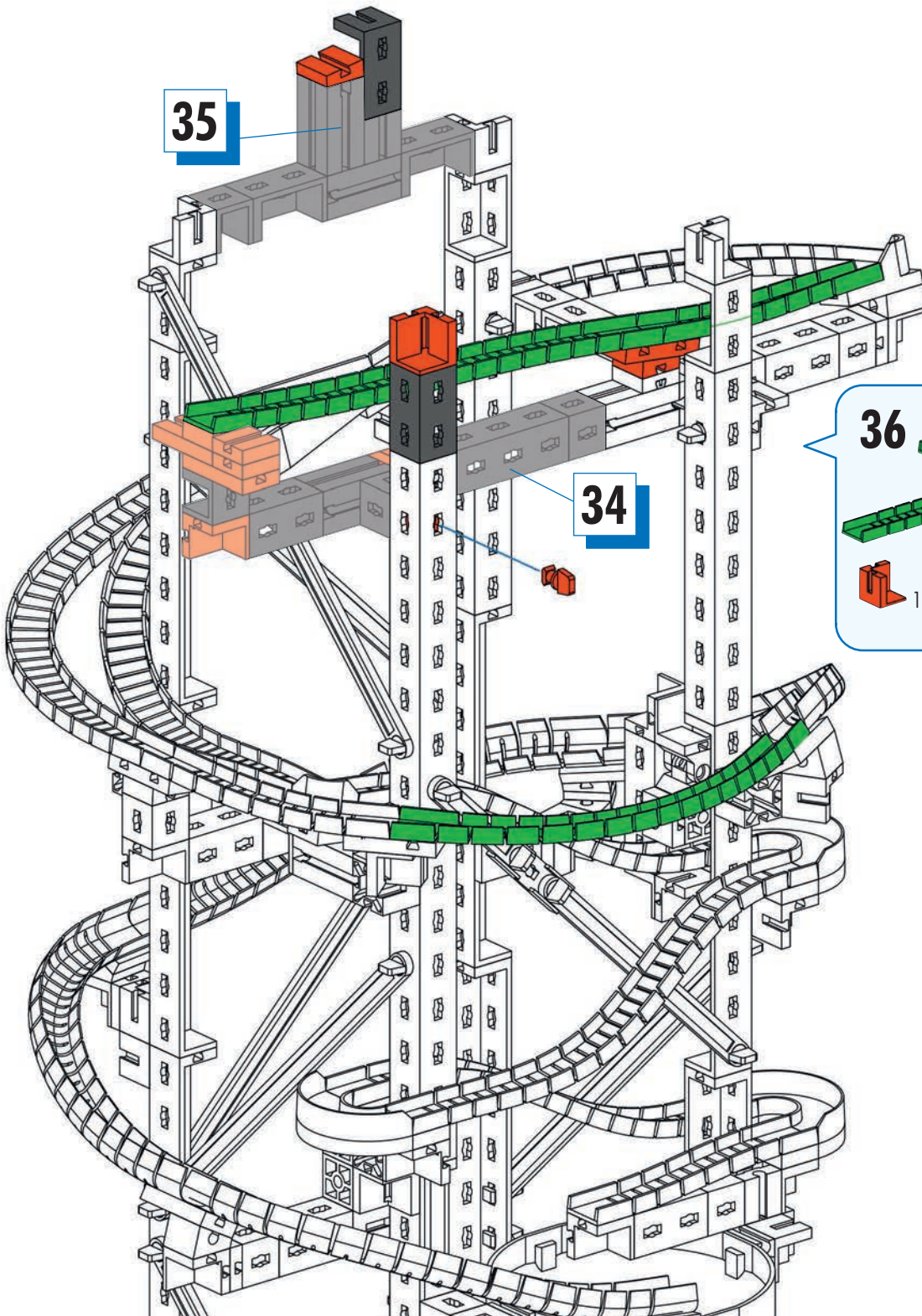
34

- 1x grey Technic 1x3 Technic Pin
- 1x grey Technic 1x3 Technic Pin
- 2x orange Technic 1x3 Technic Pin
- 1x orange Technic 1x3 Technic Pin
- 1x orange Technic 1x3 Technic Pin
- 2x orange Technic 1x3 Technic Pin



35

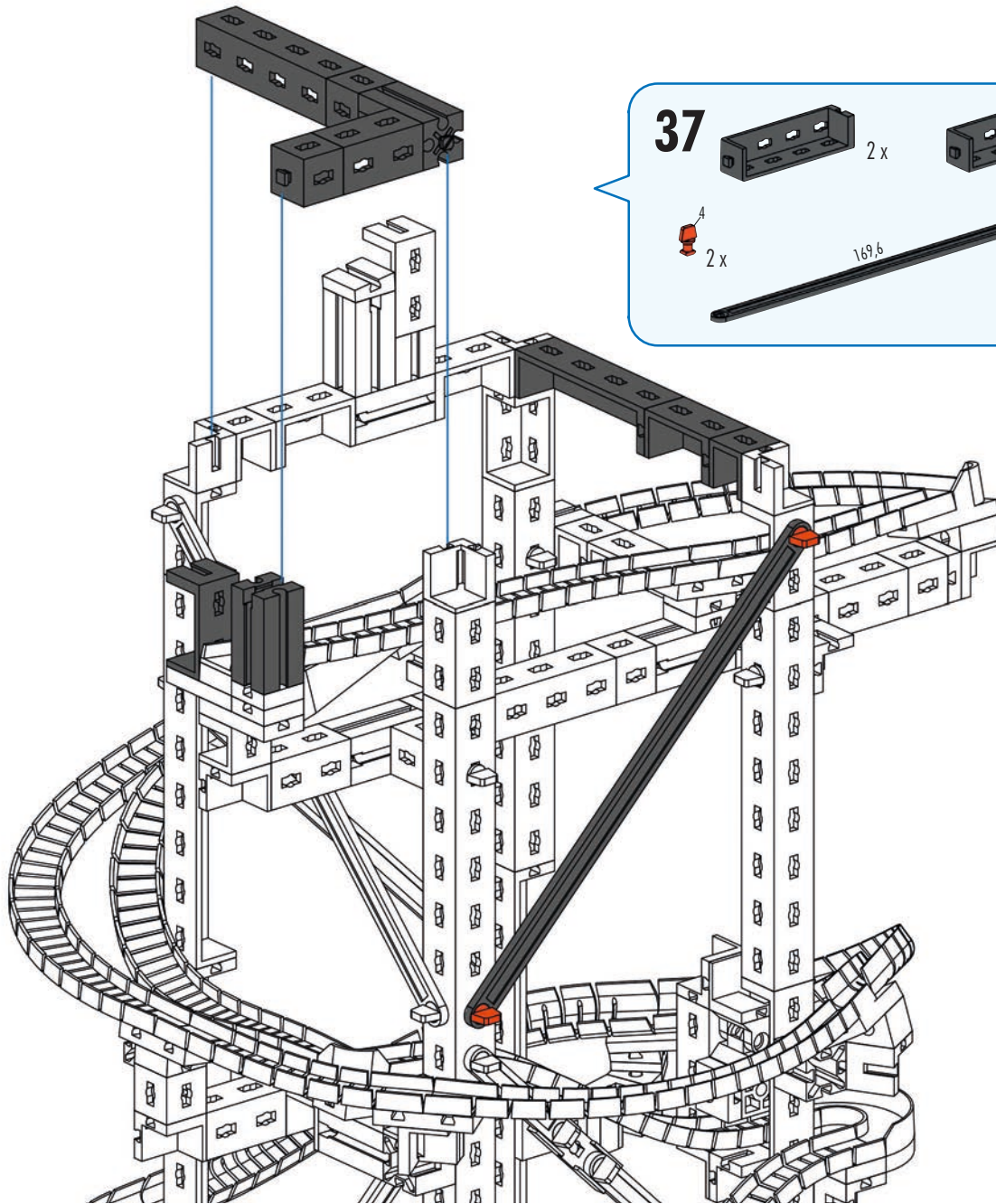
- 2x grey Technic 1x3 Technic Pin
- 1x grey Technic 1x3 Technic Pin
- 2x grey Technic 1x3 Technic Pin
- 1x grey Technic 1x3 Technic Pin



36

- 1x green Technic 1x12 Technic Pin
- 2x green Technic 1x12 Technic Pin
- 1x orange Technic 1x3 Technic Pin
- 1x grey Technic 1x3 Technic Pin
- 2x orange Technic 1x3 Technic Pin
- 1x orange Technic 1x3 Technic Pin
- 2x orange Technic 1x3 Technic Pin
- 1x orange Technic 1x3 Technic Pin



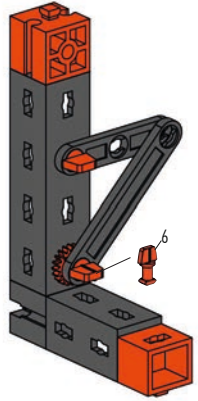
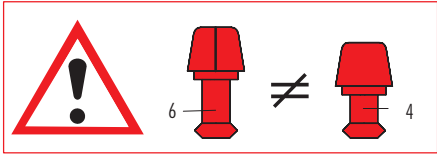


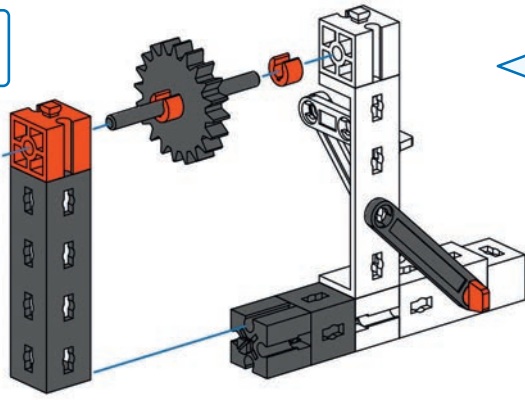
37

- 2 x [Grey 1x3 Technic Beam]
- 3 x [Grey 1x2 Technic Beam]
- 3 x [Grey 1x2 Technic Beam]
- 2 x [Red Bush]
- 1 x [Black Axle, 169.6]
- 2 x [Grey 1x2 Technic Beam]

38

- 1 x [Grey 1x2 Technic Beam]
- 1 x [Grey 1x3 Technic Beam]
- 1 x [Red 1x2 Technic Beam]
- 1 x [Red 1x2 Technic Beam]
- 1 x [Red 1x2 Technic Beam]
- 1 x [Black Axle, 42.4]
- 1 x [Black Axle, 30]
- 1 x [Black Axle, 42.4]
- 1 x [Red Bush]
- 1 x [Red Bush]
- 1 x [Red Bush]





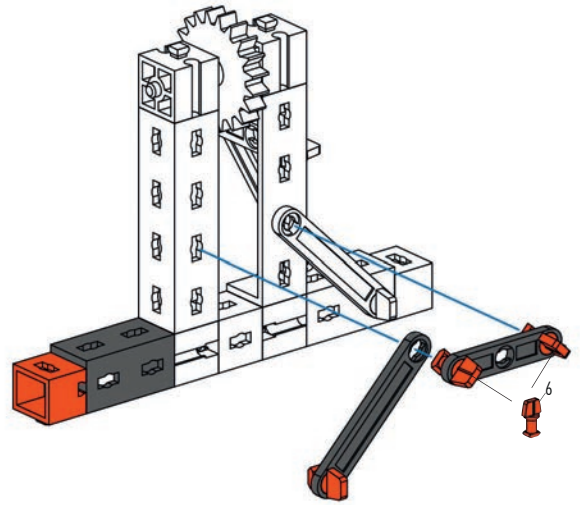
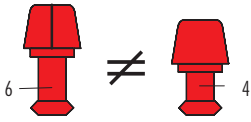
39

- 1 x [grey 1-hole Technic pin]
- 1 x [grey 1-hole Technic pin]
- 1 x [grey gear]
- 1 x [grey axle 42.4]
- 1 x [red bush 4]
- 1 x [grey 1-hole Technic pin]
- 1 x [grey 1-hole Technic pin]
- 1 x [grey axle 50]
- 2 x [red bush 2]
- 1 x [red 1-hole Technic pin]

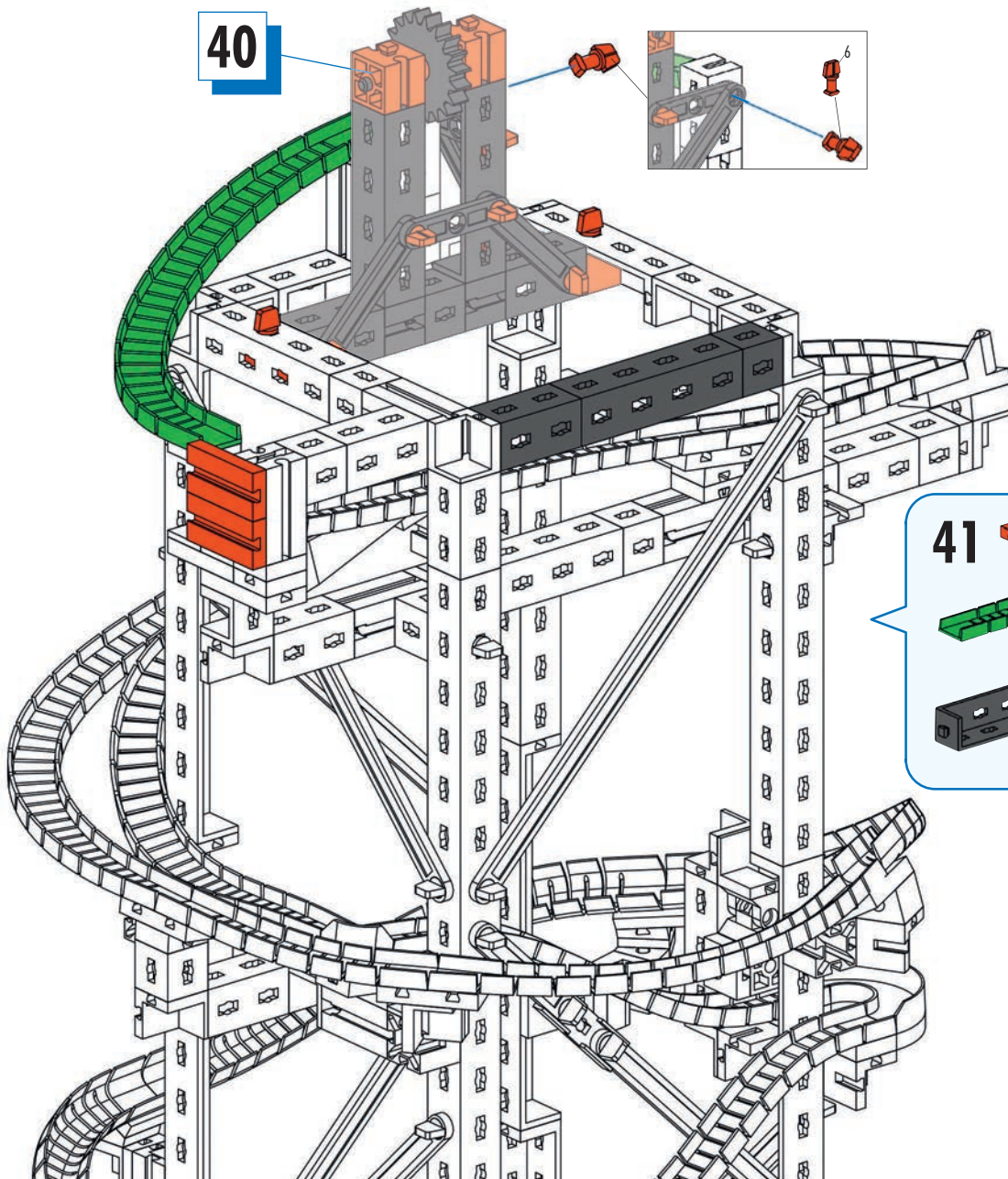
50 mm

40

- 1 x [red 1-hole Technic pin]
- 1 x [grey 1-hole Technic pin]
- 1 x [grey axle 42.4]
- 1 x [grey axle 30]
- 2 x [red bush 6]
- 1 x [red bush 4]



40



41

- 2 x [red 1-hole Technic pin]
- 1 x [green Technic axle]
- 2 x [red bush 4]
- 1 x [red bush 6]
- 1 x [grey 1-hole Technic pin]
- 1 x [grey 1-hole Technic pin]
- 1 x [grey 1-hole Technic pin]

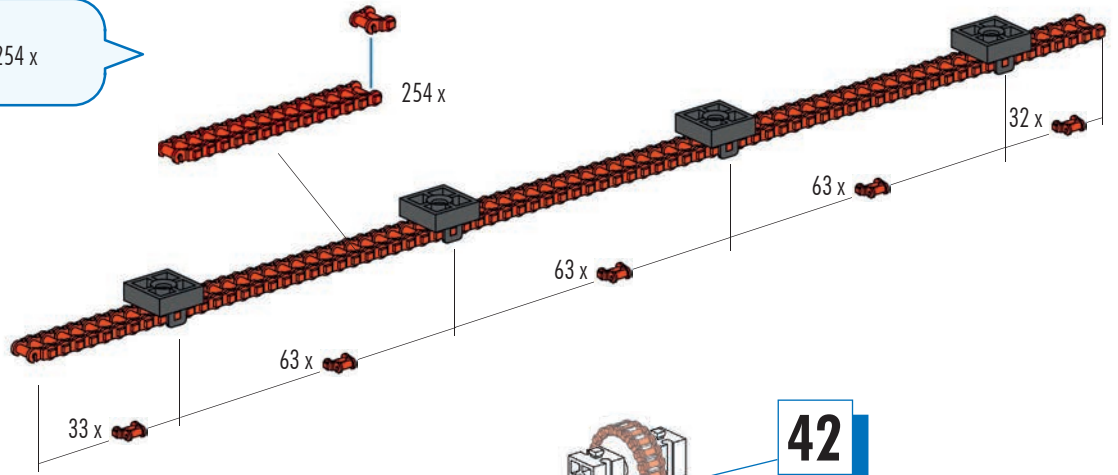
42



4 x



254 x

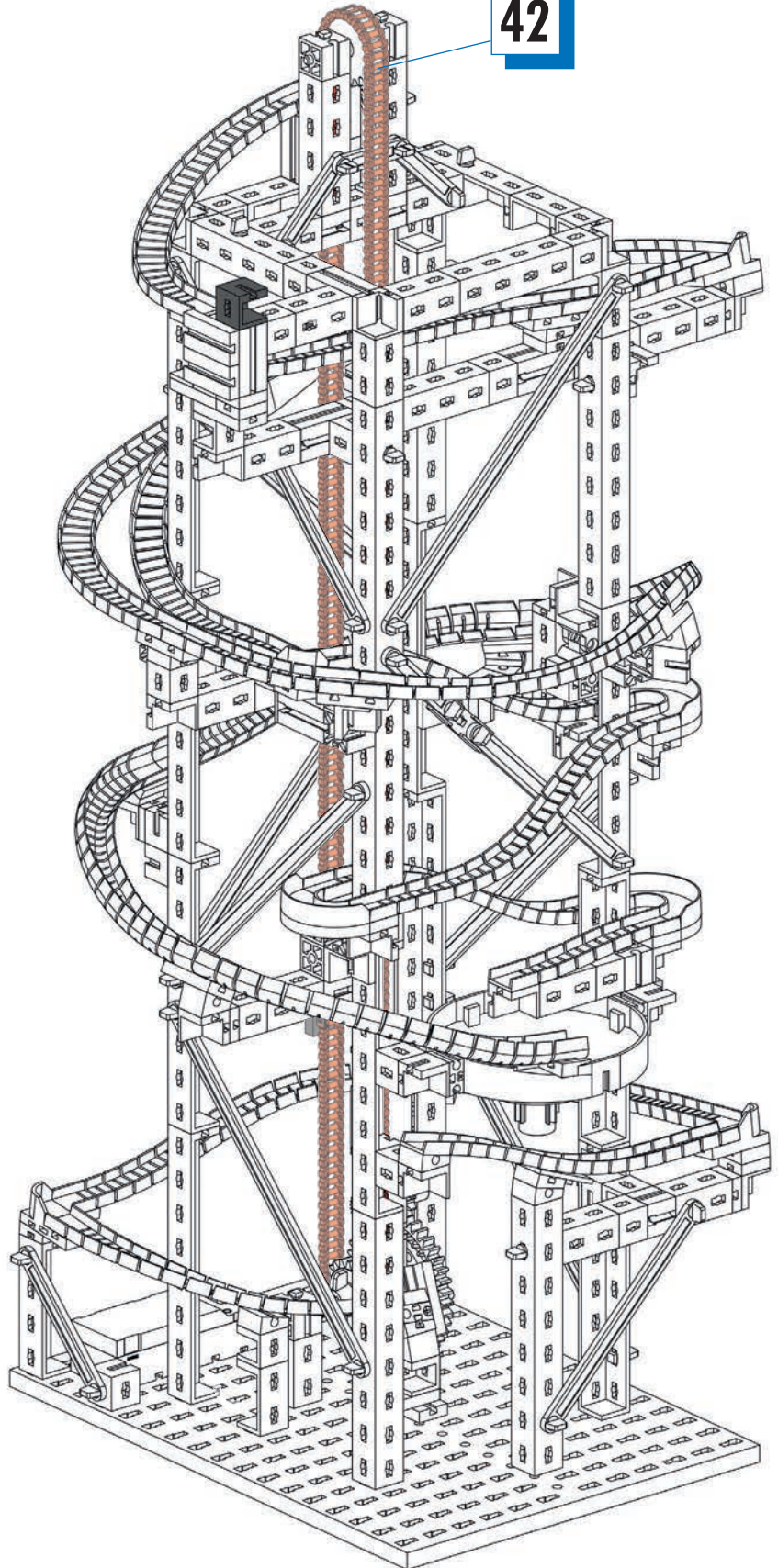


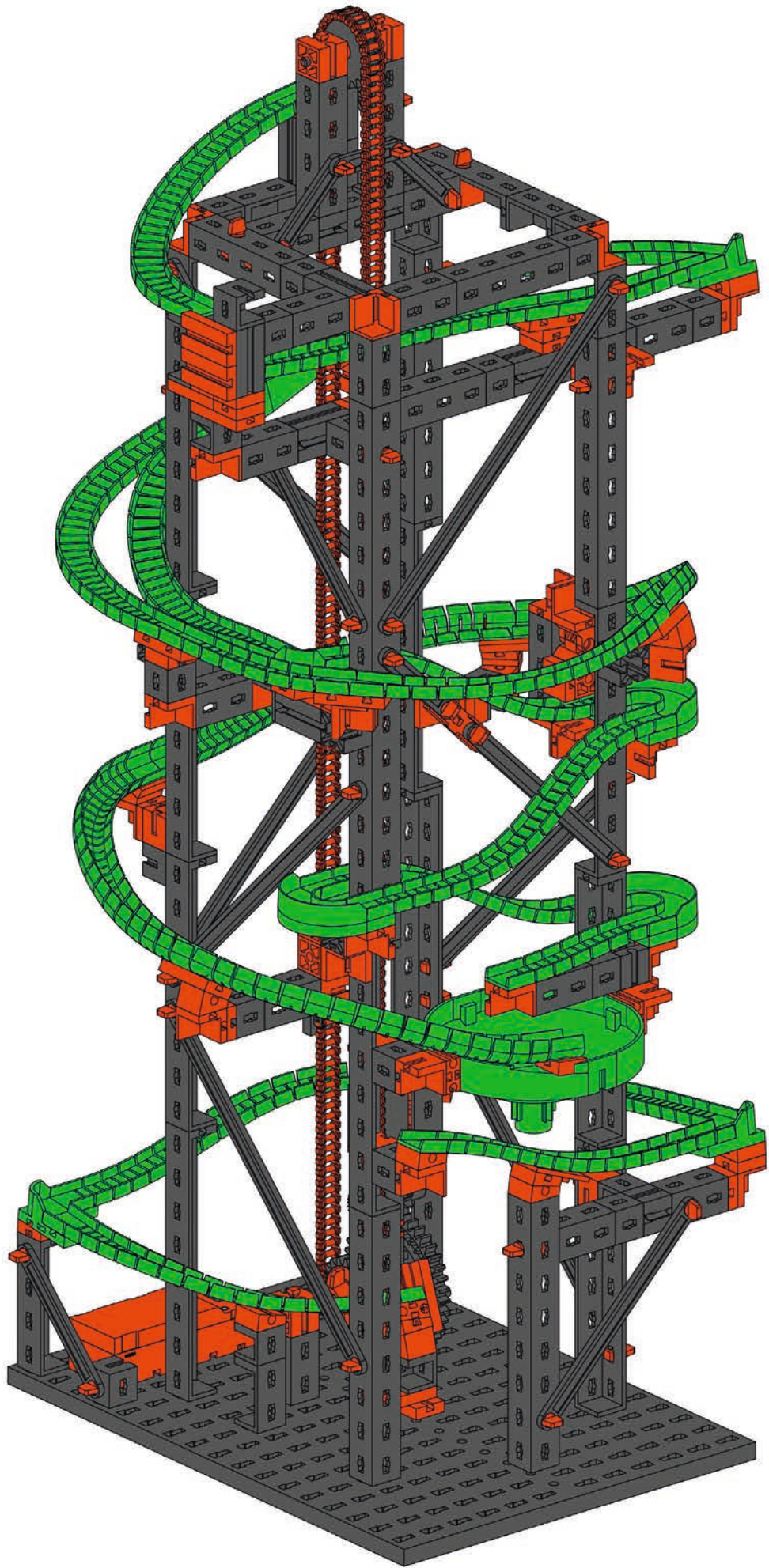
42

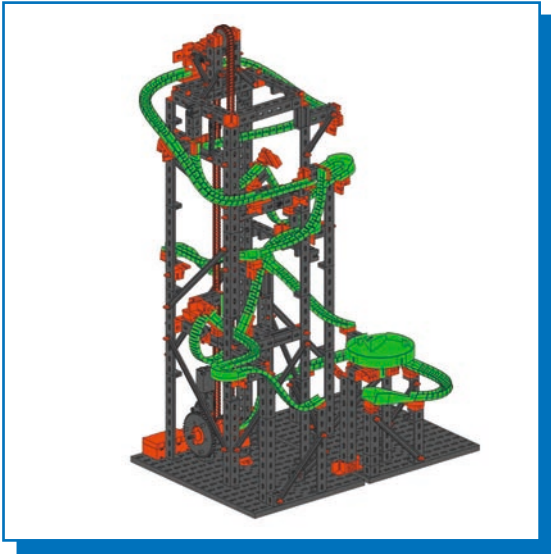
43



1 x



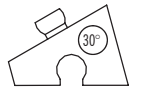
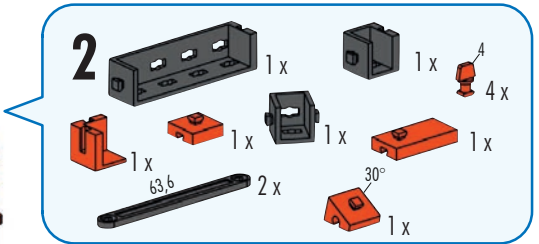
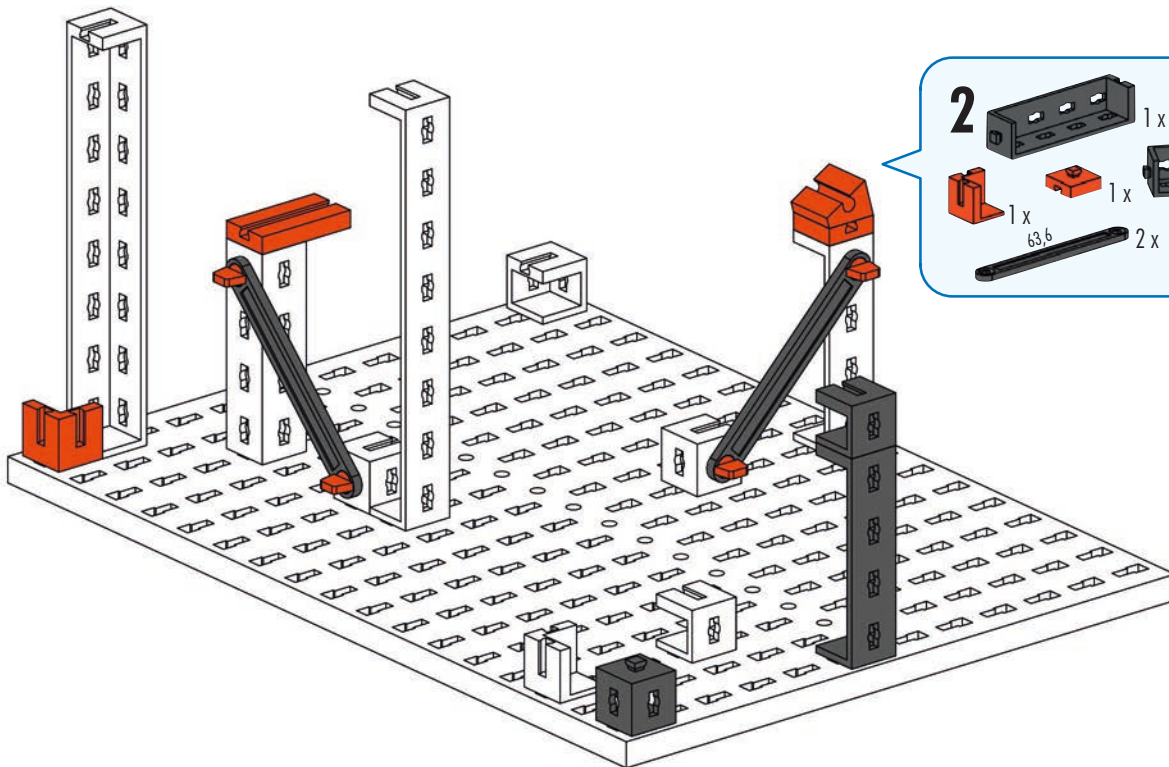
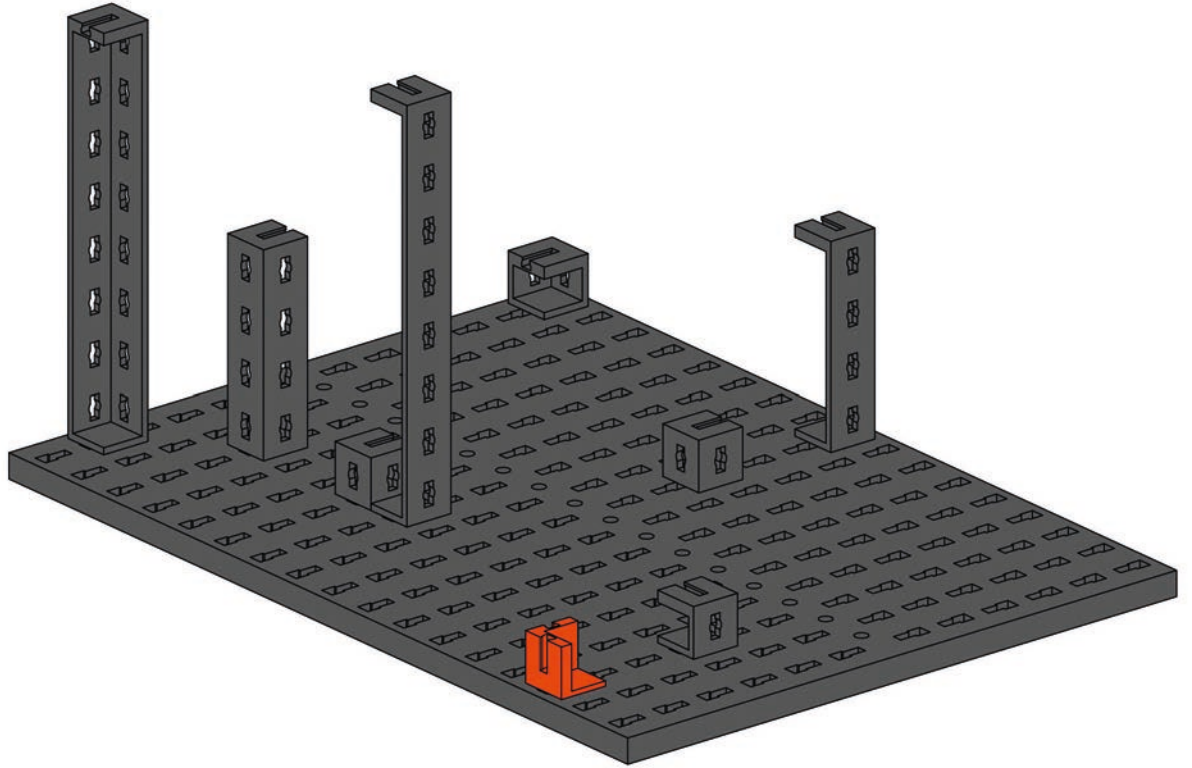
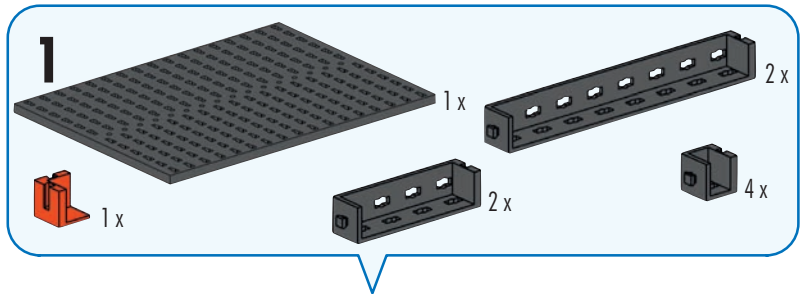






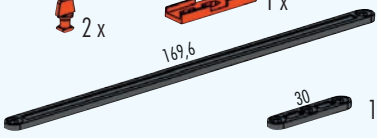

Parcours 2
Obstacle course 2
Parcours 2

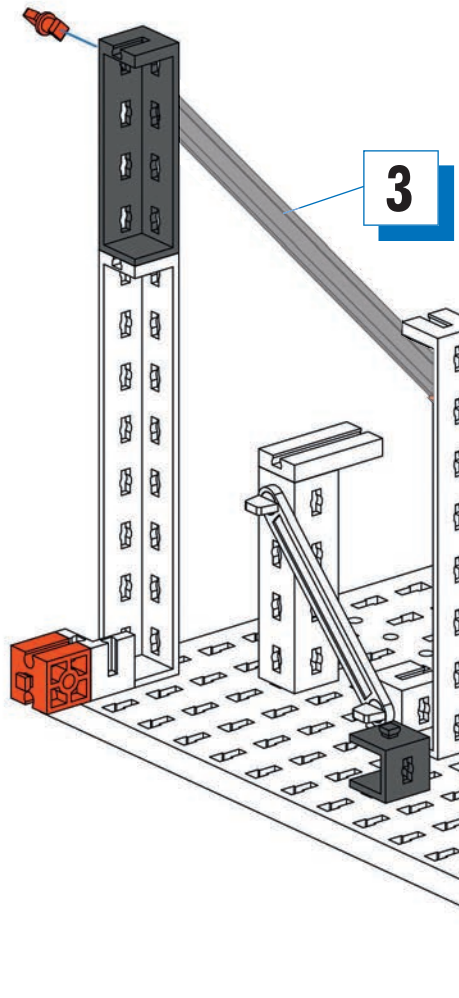
Parcours 2
Pista de recorrido 2
Circuito 2

Circuito 2
Маршрут 2
滚珠弯道 2

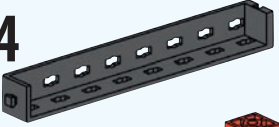
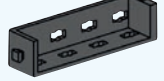









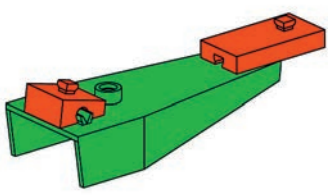
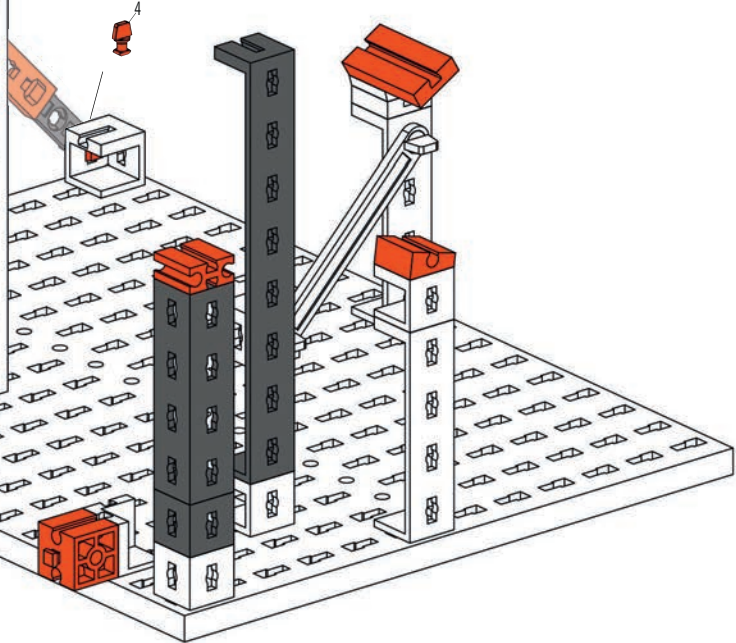
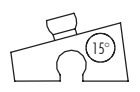
3

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

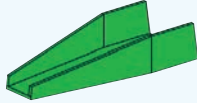

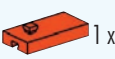


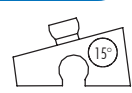
4

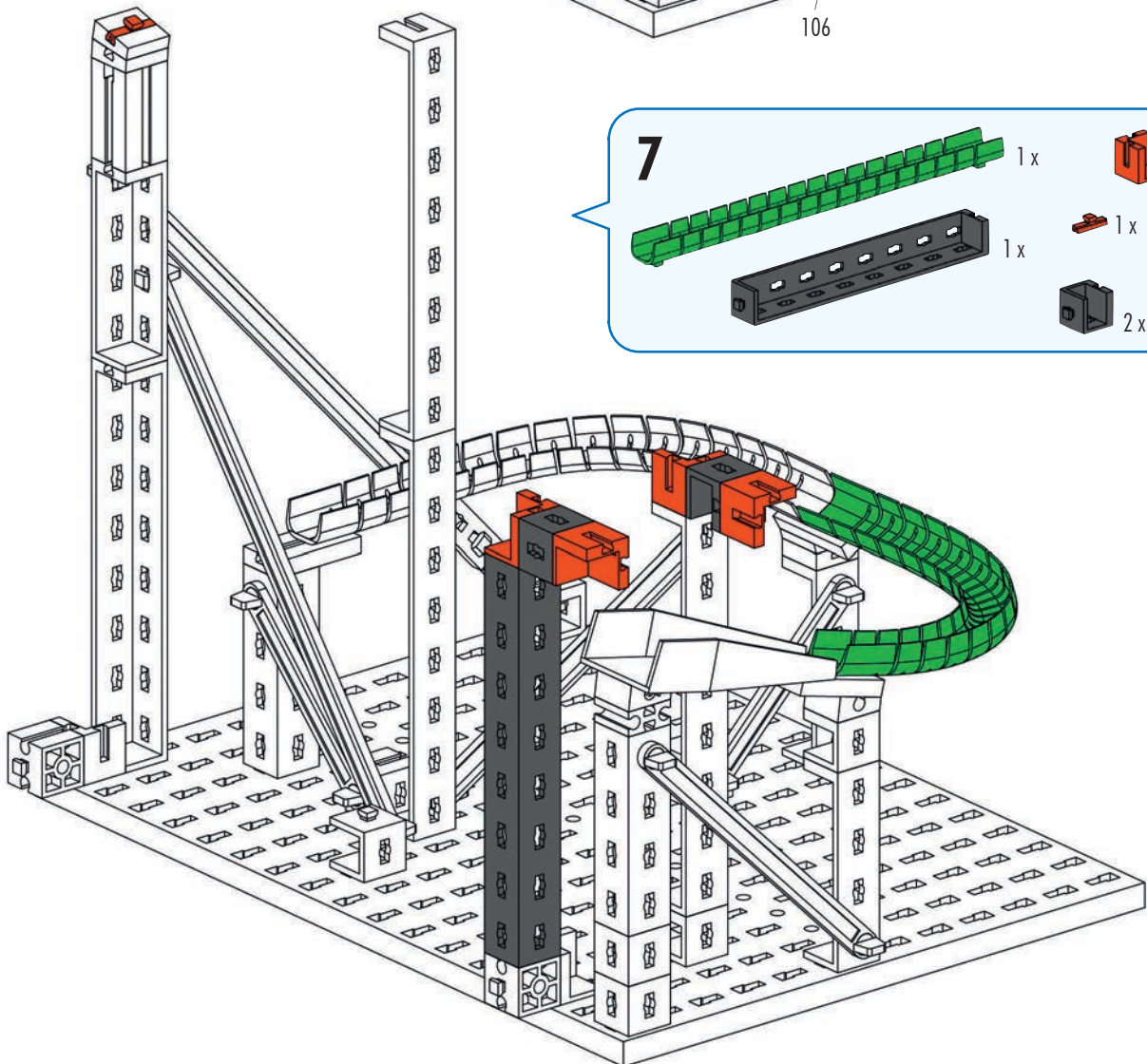
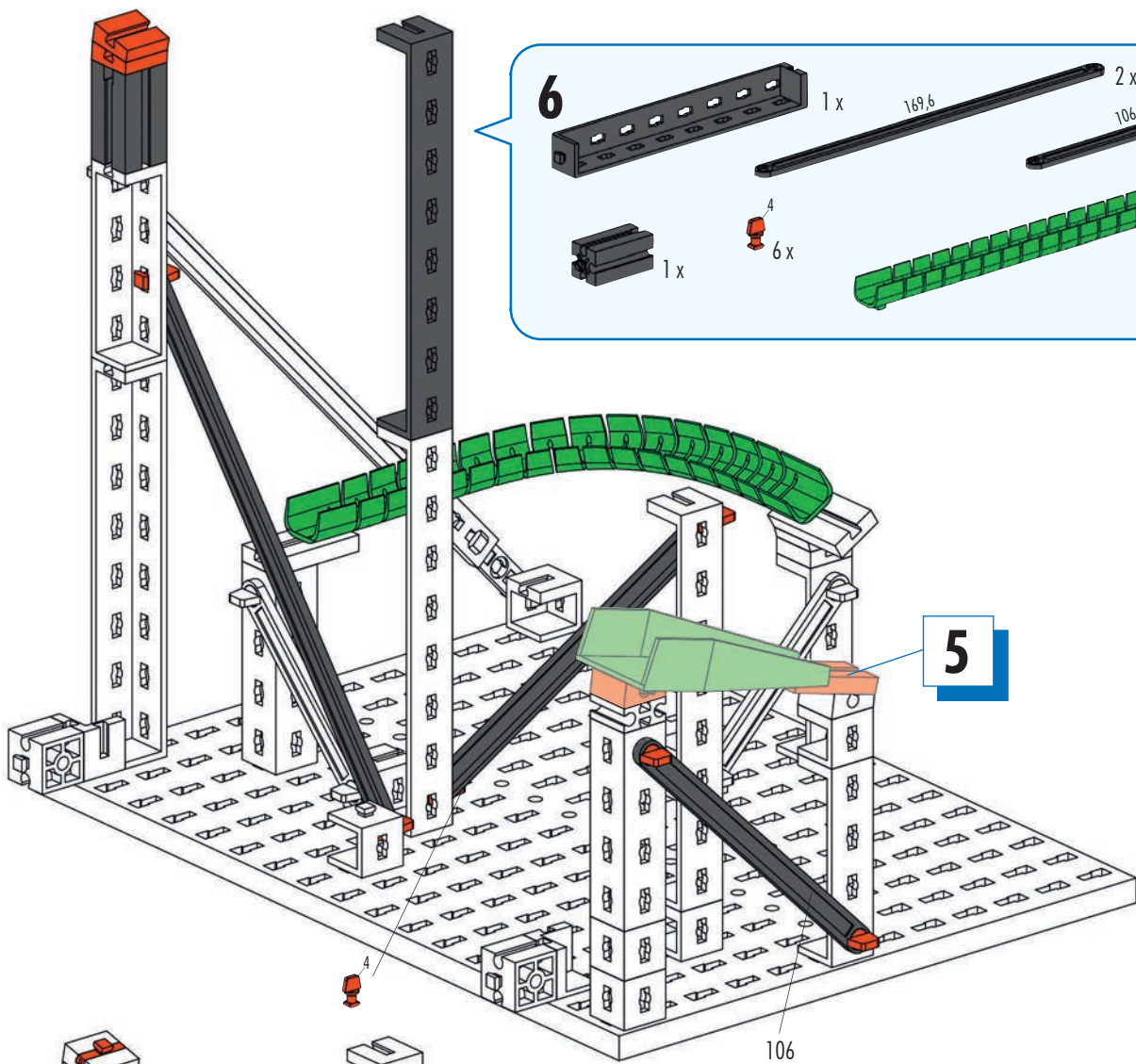
-  1x
-  2x
-  1x
-  1x
-  1x
-  2x
-  1x
-  2x
-  1x

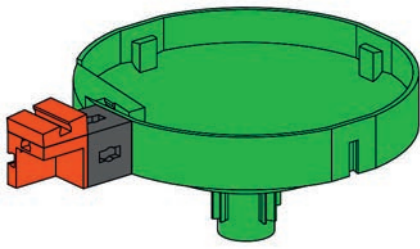


5

-  1x
-  1x
-  1x







8

1 x

1 x

1 x

1 x

7.5°

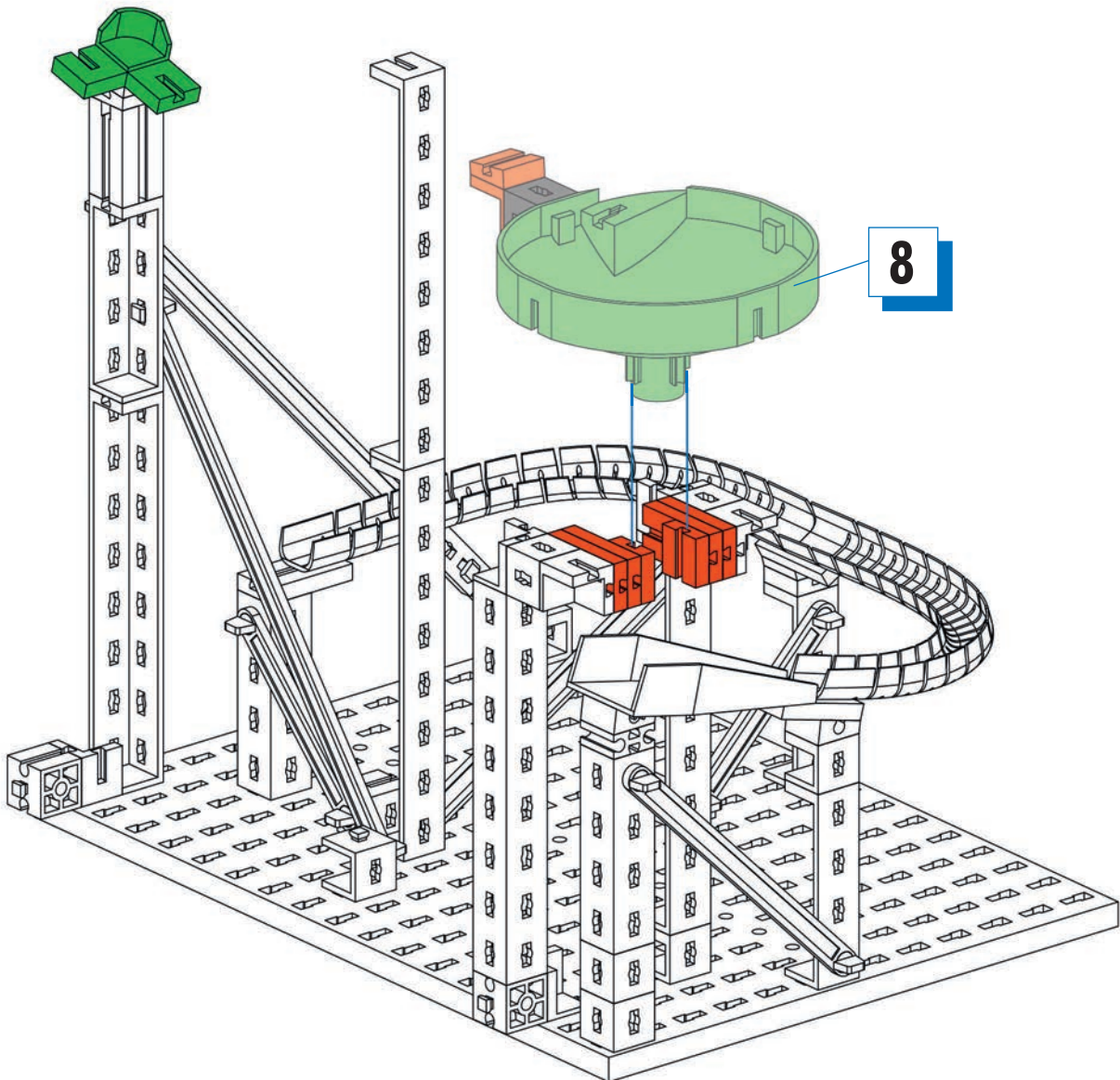


9

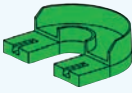


1 x

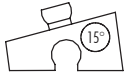
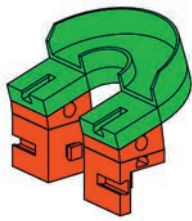
2 x

4 x

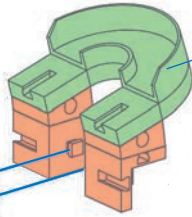


10

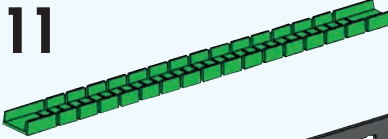
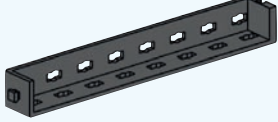

1 x  2 x  2 x 

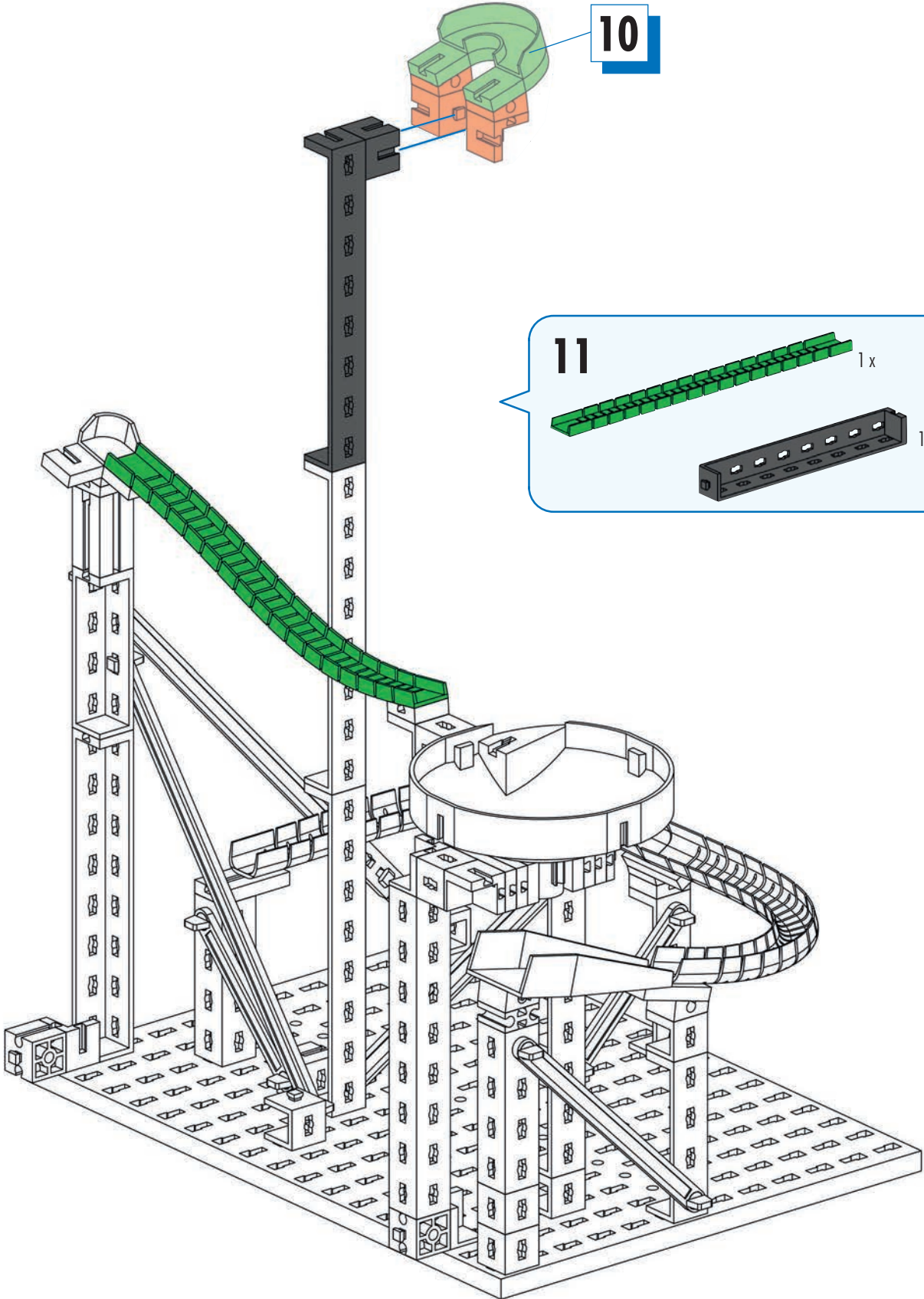


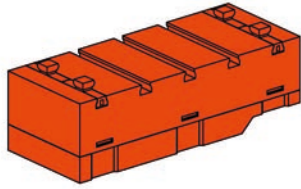
10



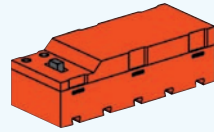
11

1 x  1 x  1 x 





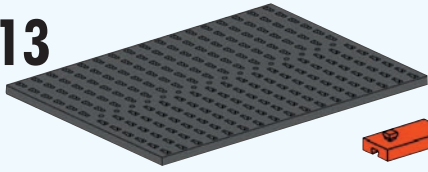
12



1 x

4 x

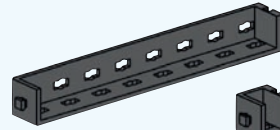
13



1 x



1 x



2 x



2 x



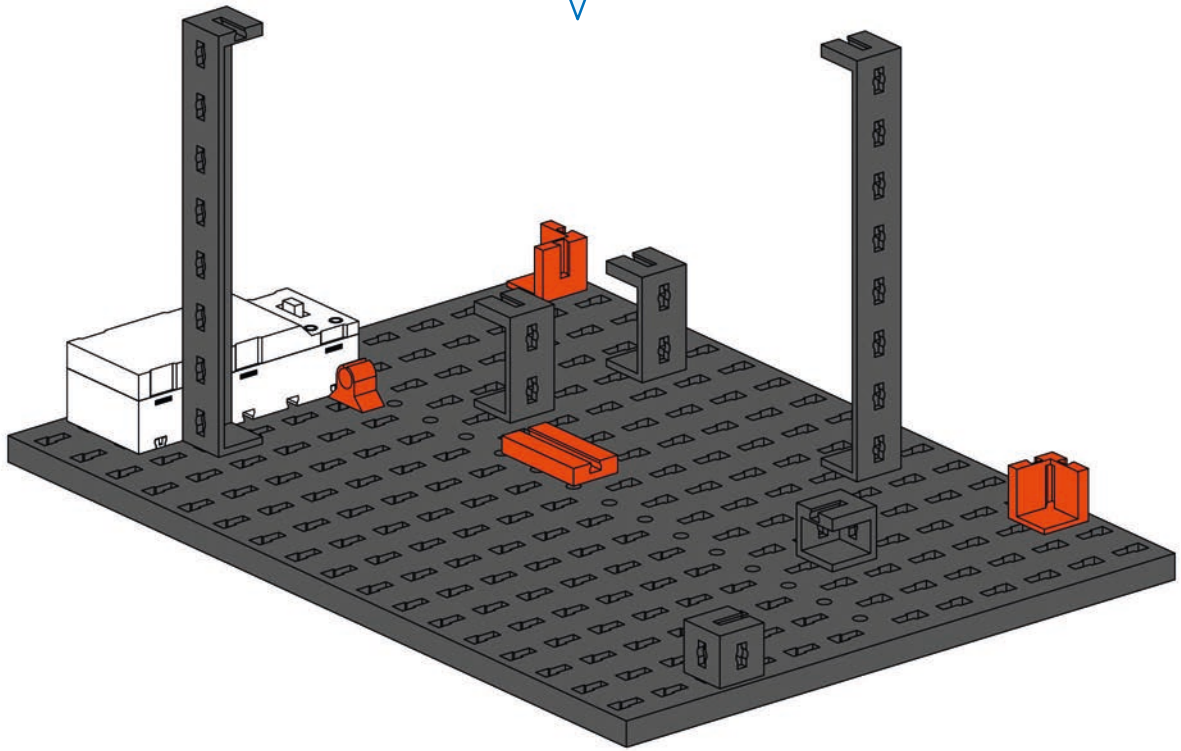
2 x



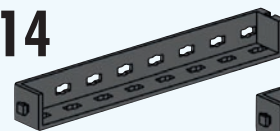
2 x



1 x



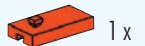
14



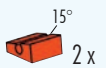
2 x



1 x



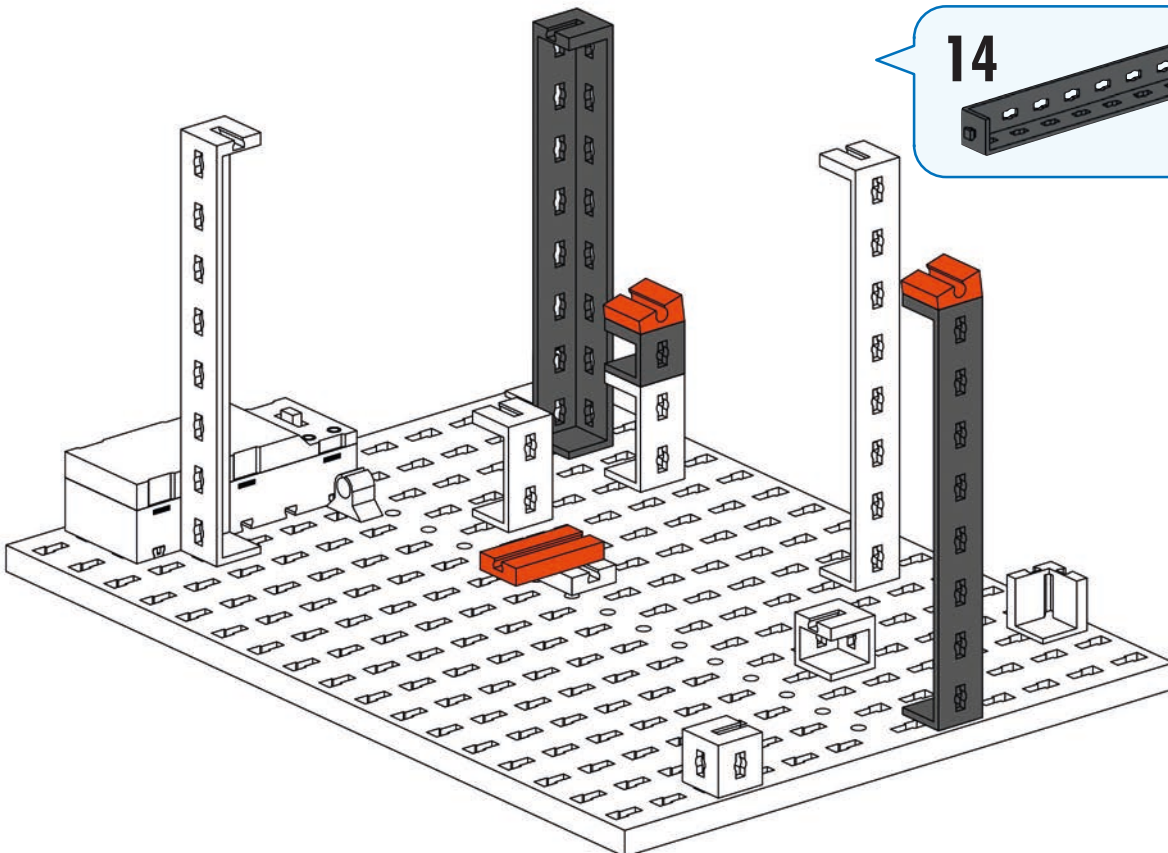
1 x



2 x



15°



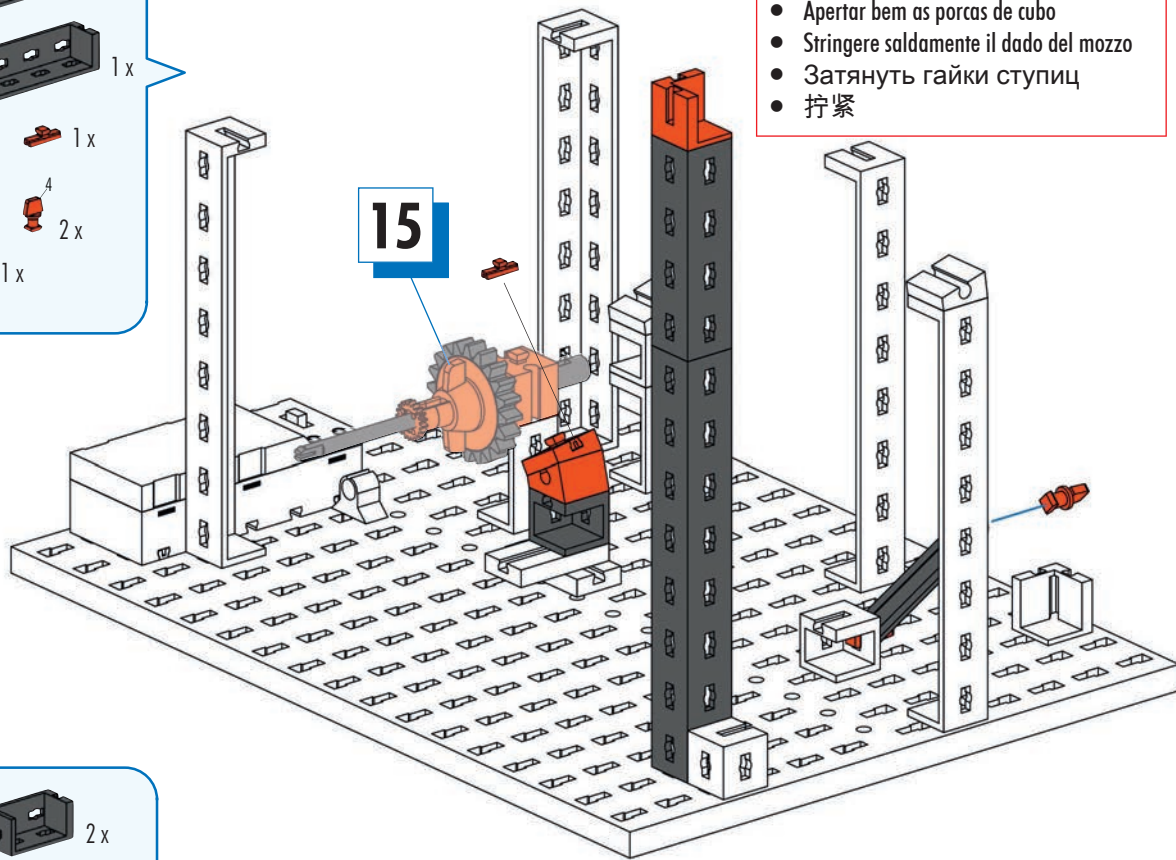
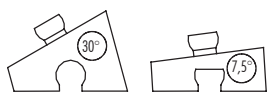
- 15**
- 90 1x
 - 1x
 - 2x
 - 1x
 - 1x
 - 1x
 - 1x
 - 2x
 - 1x

90 mm

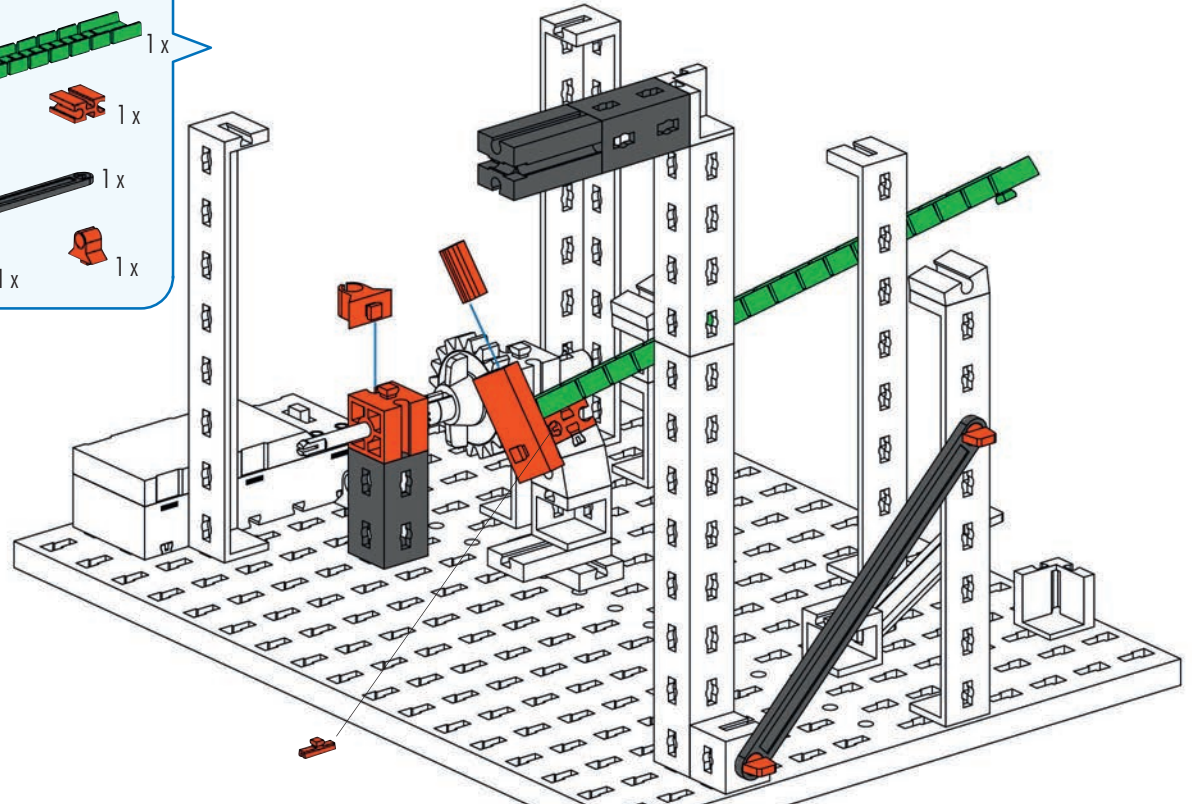


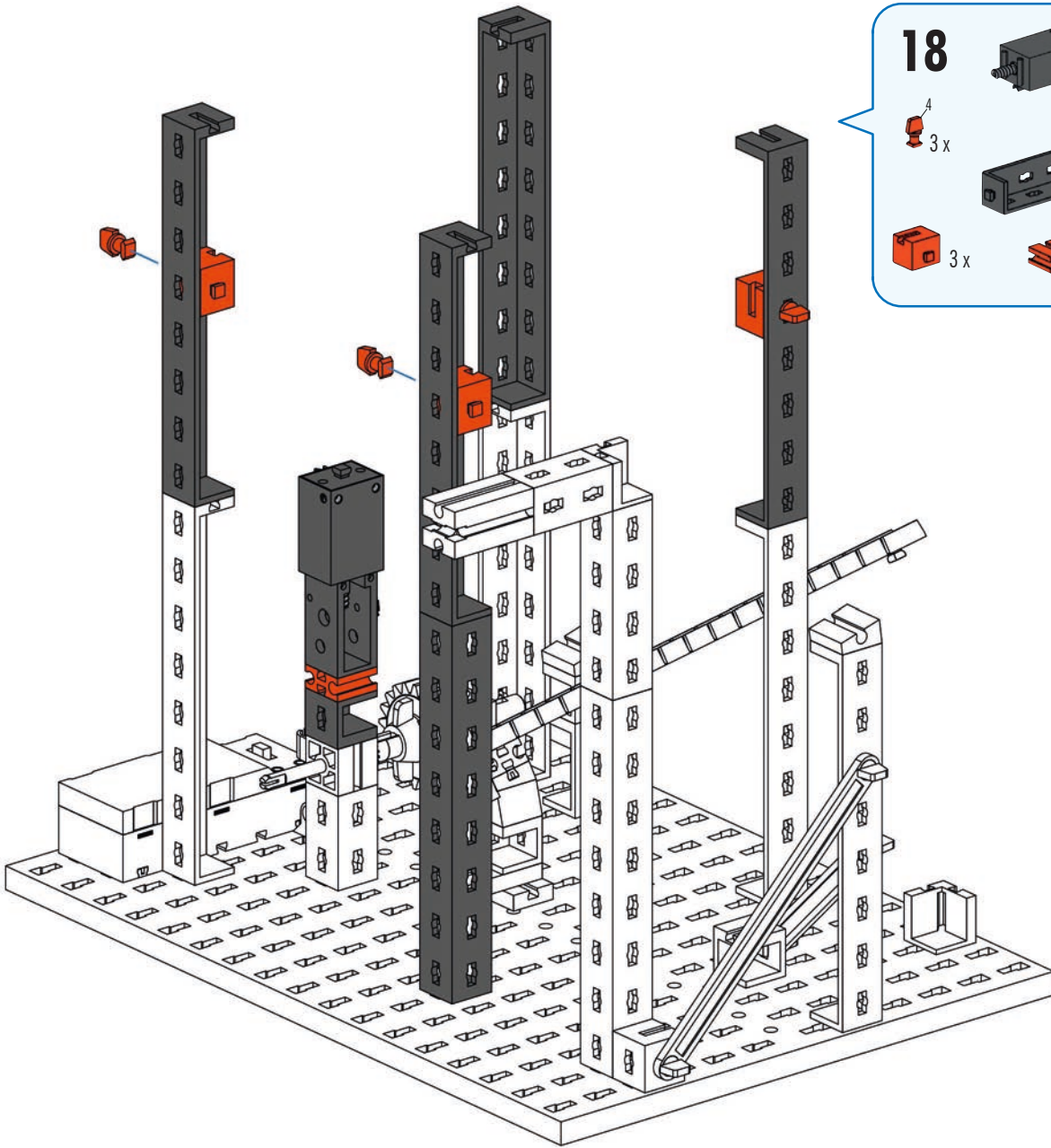
- Nabenmutter sehr fest anziehen
- Fasten the hub nut very tightly
- Serrer l'écrou du moyeu très serré
- Draai de naafmoer goed vast
- Atornillar las tuercas laterales muy fuertes
- Apertar bem as porcas de cubo
- Stringere saldamente il dado del mozzo
- Затянуть гайки ступиц
- 拧紧

- 16**
- 1x
 - 1x
 - 1x
 - 1x
 - 1x
 - 1x
 - 2x
 - 1x
 - 63,6 1x



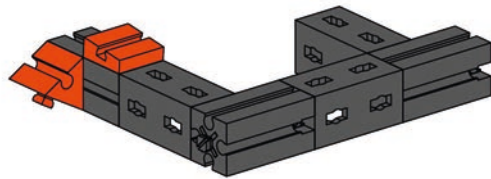
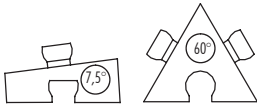
- 17**
- 1x
 - 2x
 - 1x
 - 1x
 - 1x
 - 2x
 - 1x
 - 106 1x
 - 1x
 - 1x
 - 1x

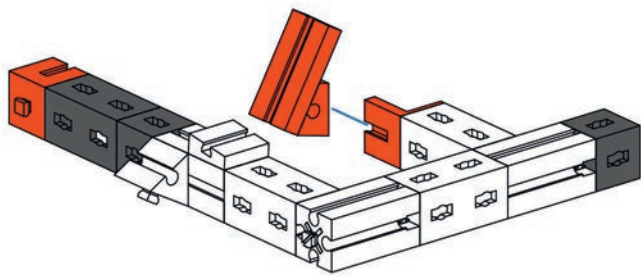




- 18**
- 1x [Grey Motor]
 - 1x [Grey Motor]
 - 3x [Red Pin]
 - 5x [Grey Beam]
 - 3x [Red Connector]
 - 1x [Red Connector]
 - 1x [Grey Connector]

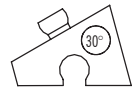
- 19**
- 3x [Grey Beam]
 - 3x [Grey Connector]
 - 1x [Red Connector]
 - 1x [Red Connector]





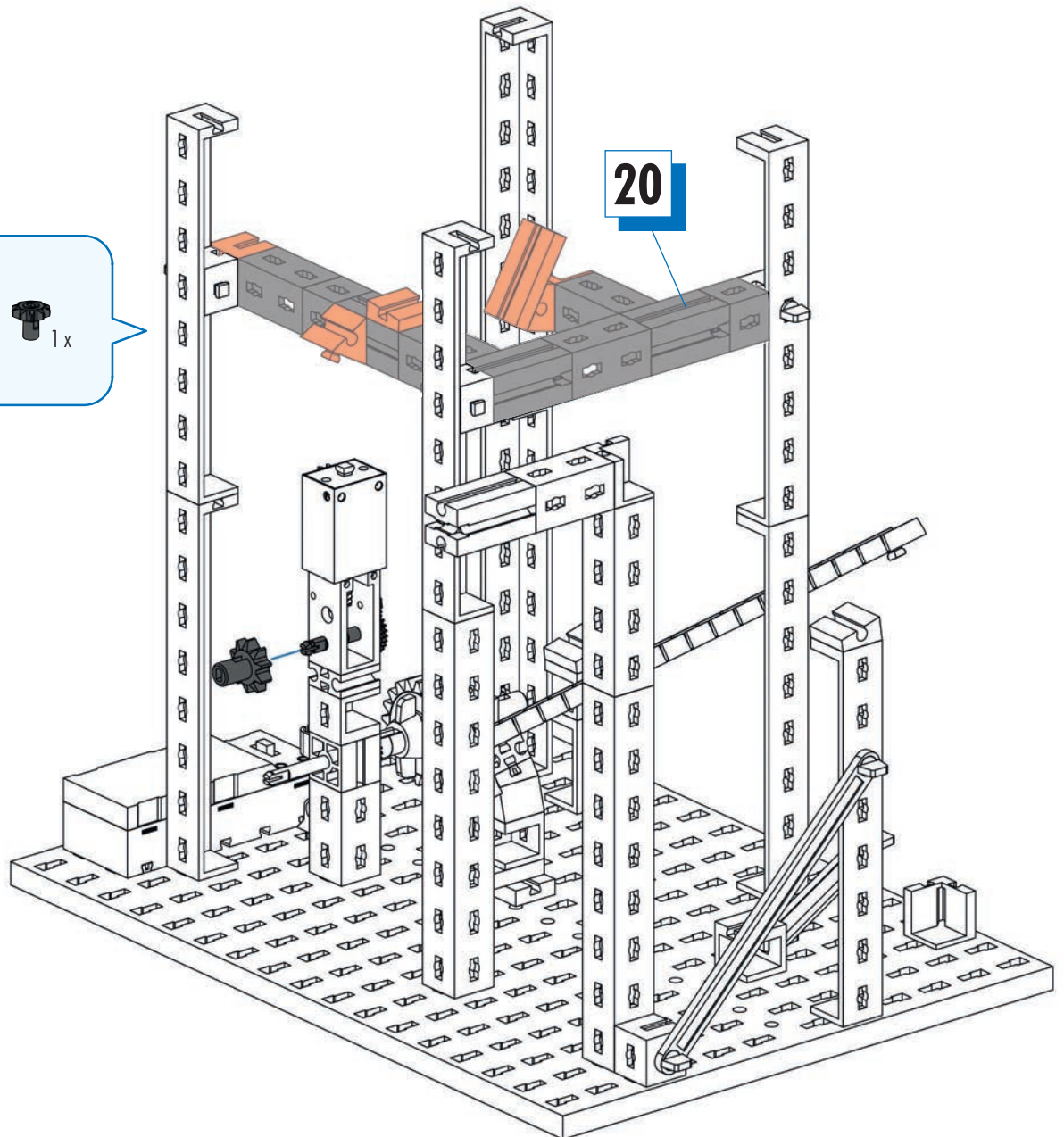
20

- 1 x [grey connector]
- 2 x [grey connector]
- 1 x [red Technic beam]
- 2 x [red L-shaped connector]
- 1 x [red 30-degree angled connector]

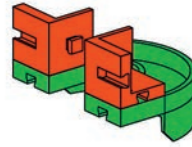


21

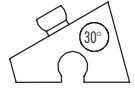
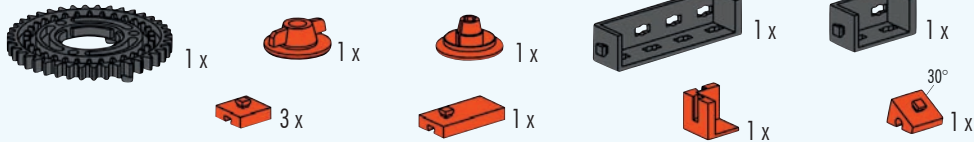
- 1 x [black screw]
- 1 x [black bush]



22



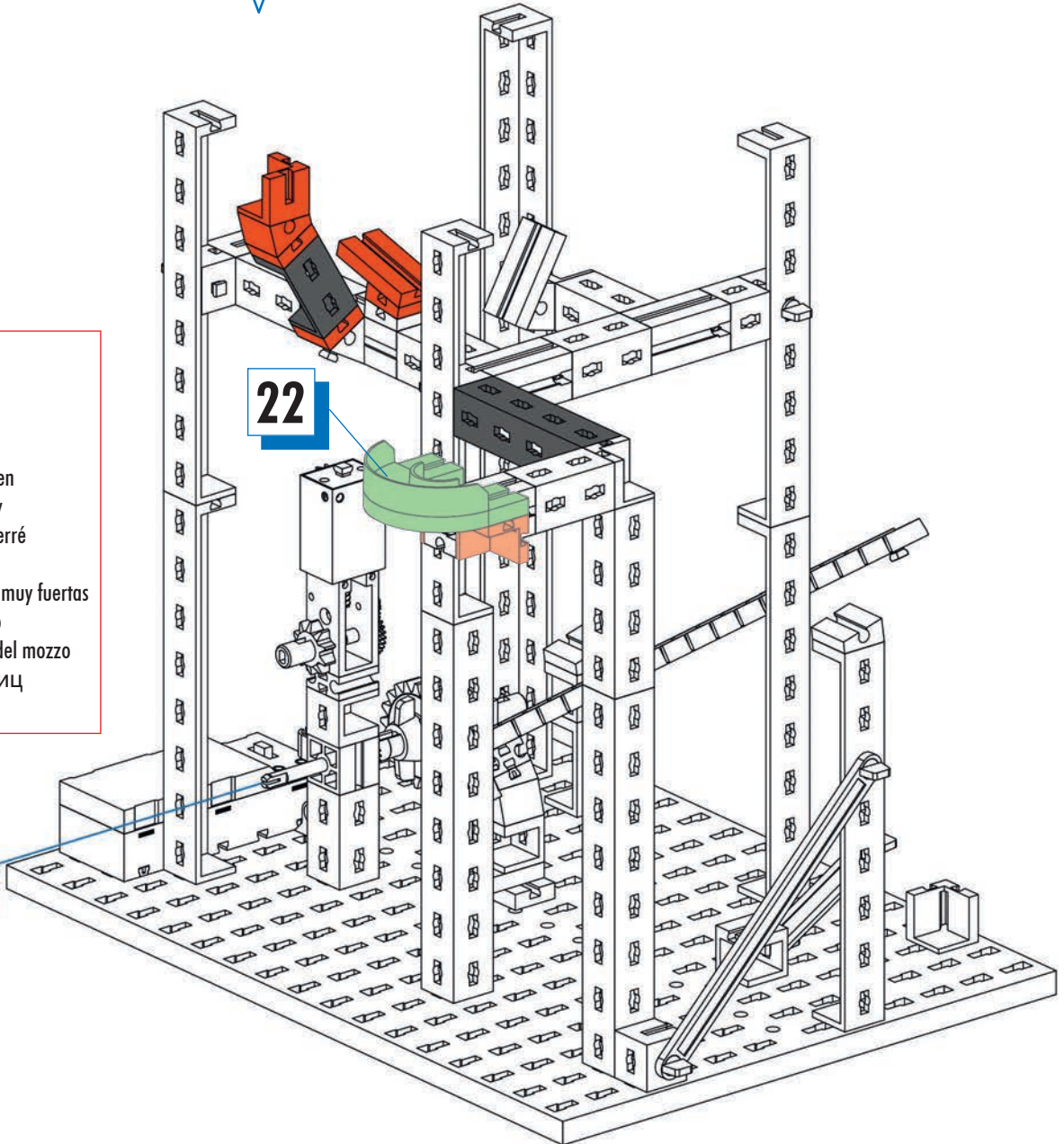
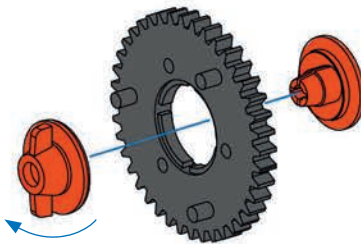
23



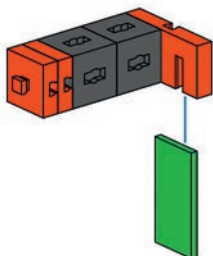
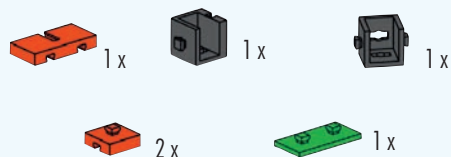
22



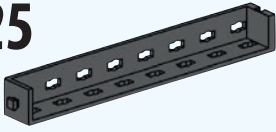
- Nabenmutter sehr fest anziehen
- Fasten the hub nut very tightly
- Serrer l'écrou du moyeu très serré
- Draai de naafmoer goed vast
- Atornillar las tuercas laterales muy fuertes
- Apertar bem as porcas de cubo
- Stringere saldamente il dado del mozzo
- Затянуть гайки ступиц
- 拧紧



24



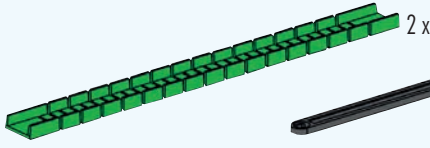
25



3 x



2 x



2 x

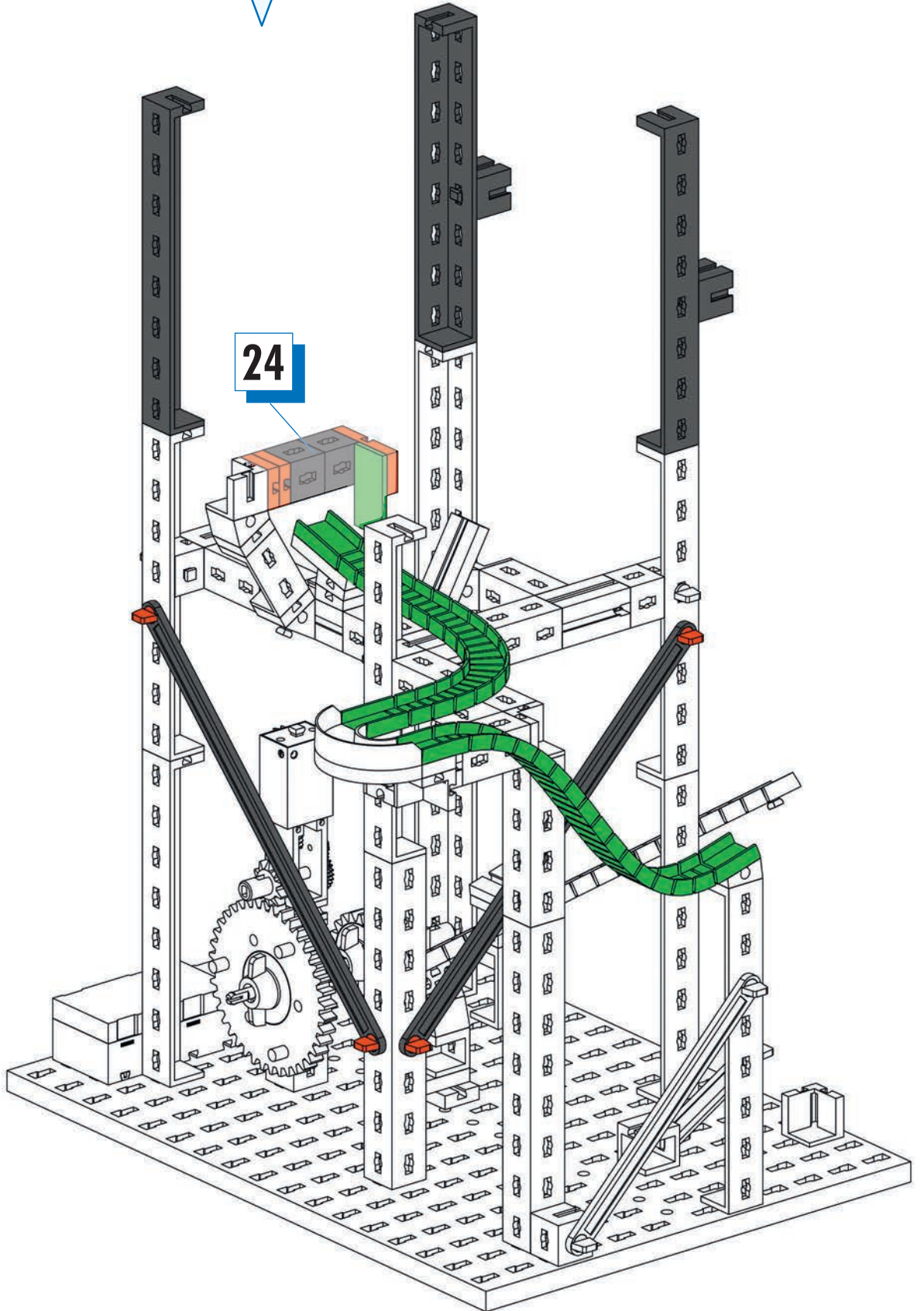
169,6



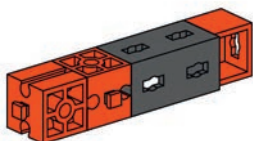
2 x



4 x



24



26





1 x

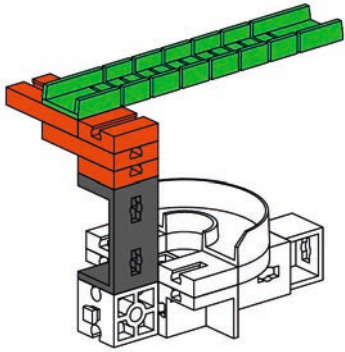
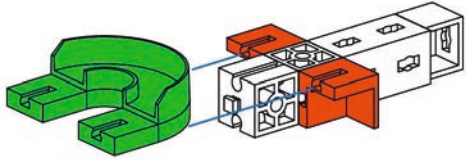



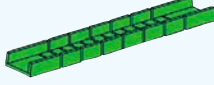


1 x

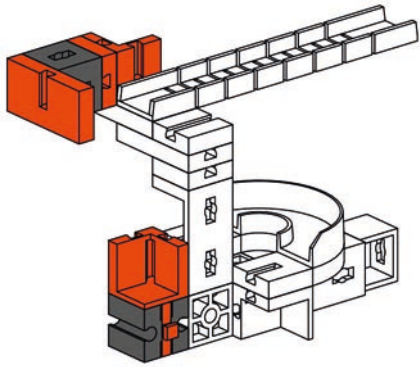








2 x

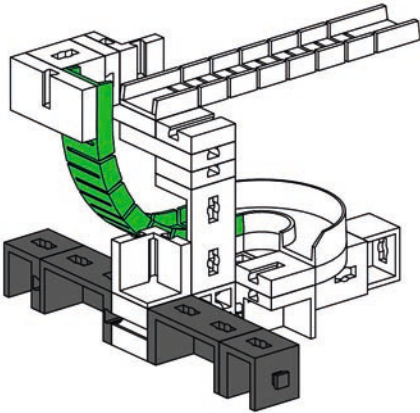
27  1x  2x



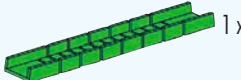


28  1x  1x  2x  2x

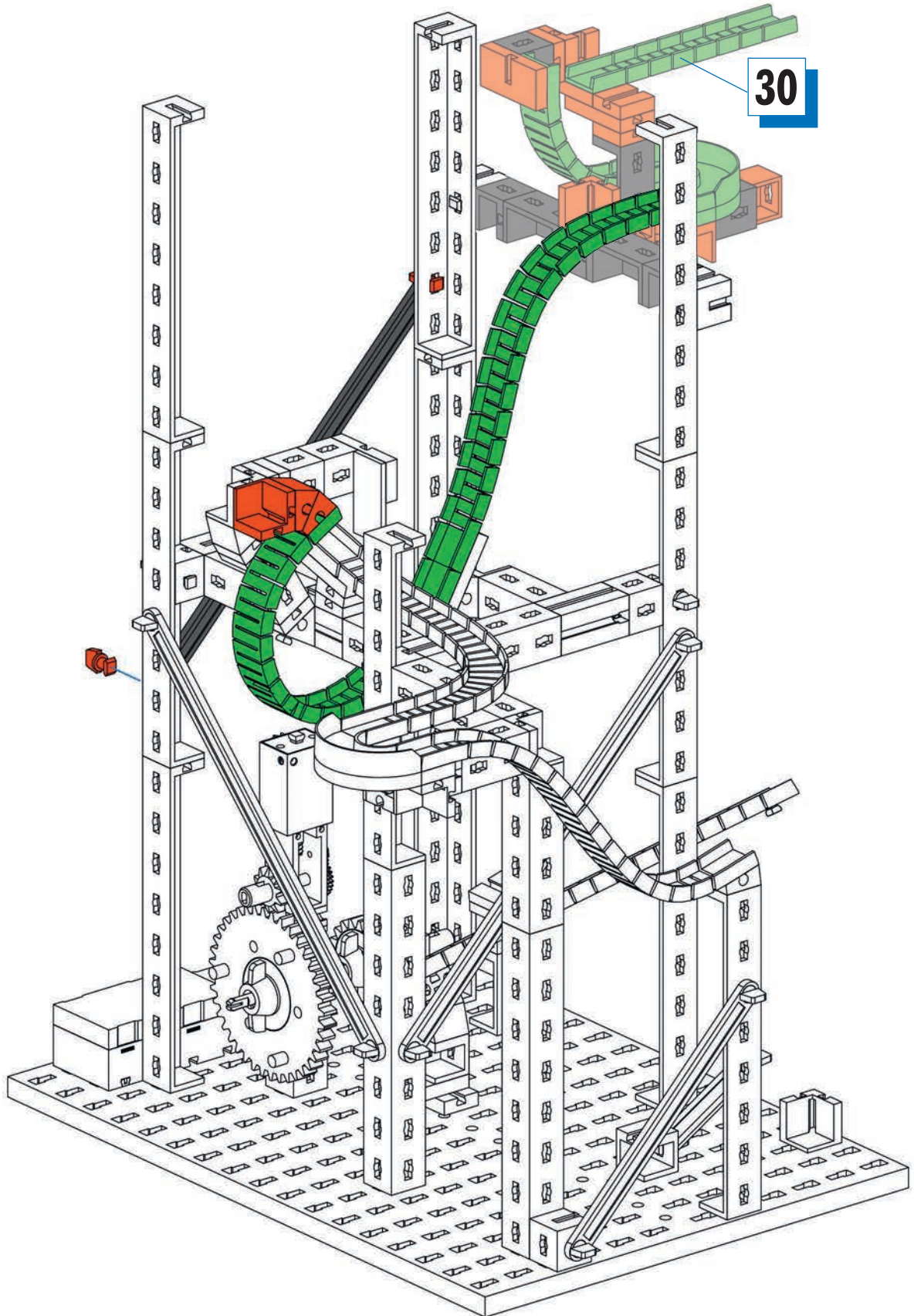
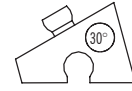
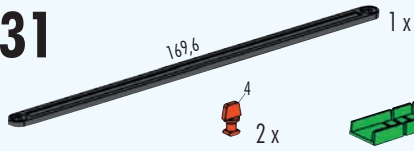


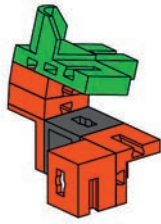
29  1x  1x  1x
 1x  1x  2x



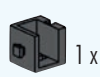
30  2x  2x  1x

31





32



1x



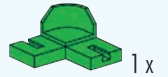
2x



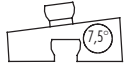
1x



2x

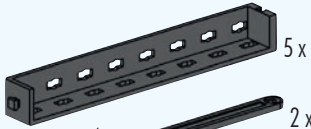


1x

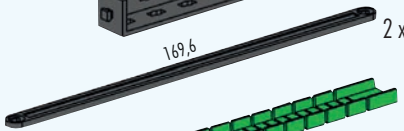


7.5°

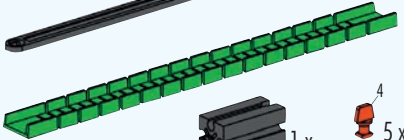
33



5x



2x



1x

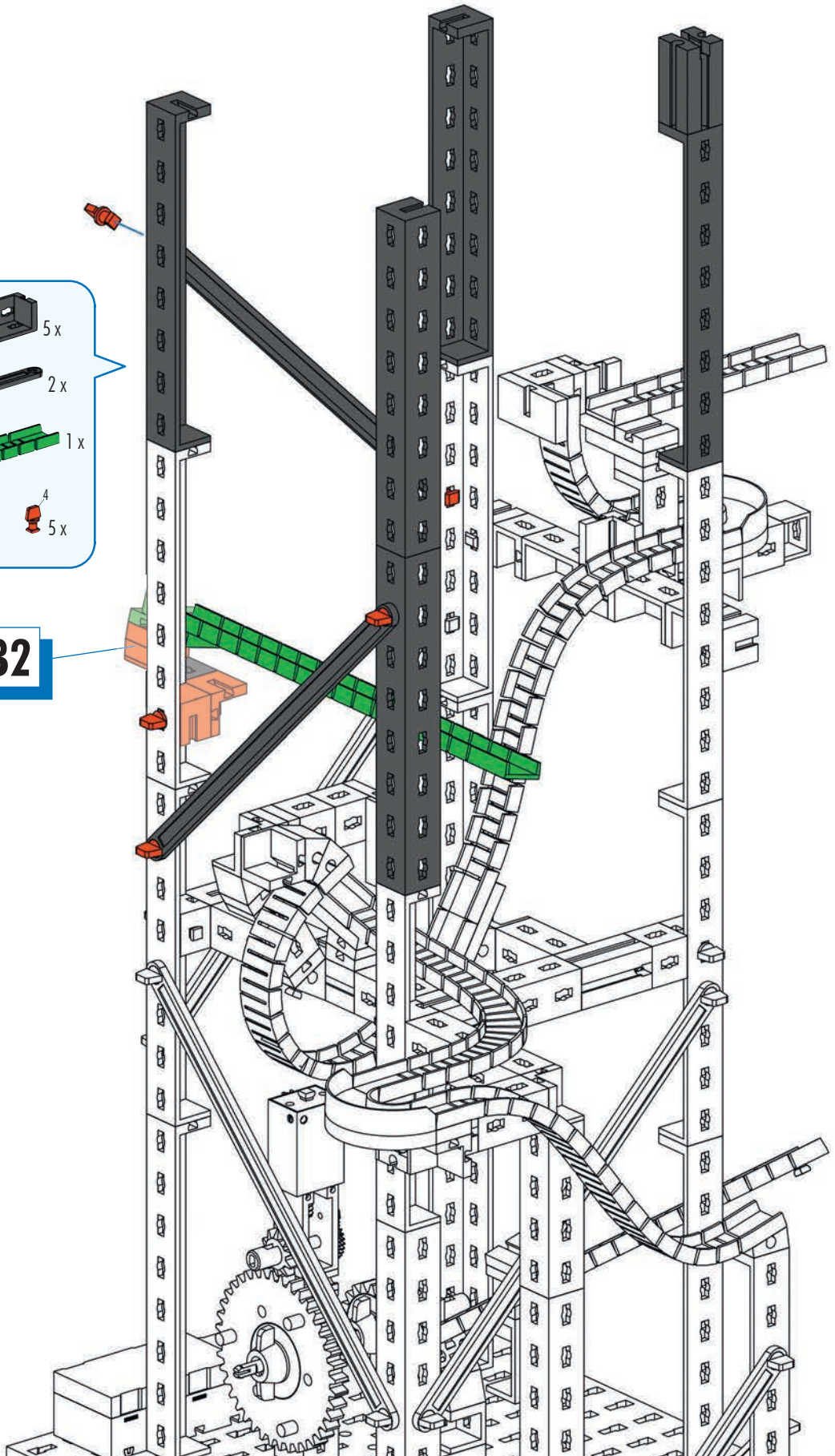


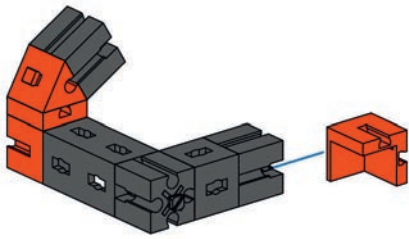
1x

4

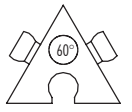
5x

32

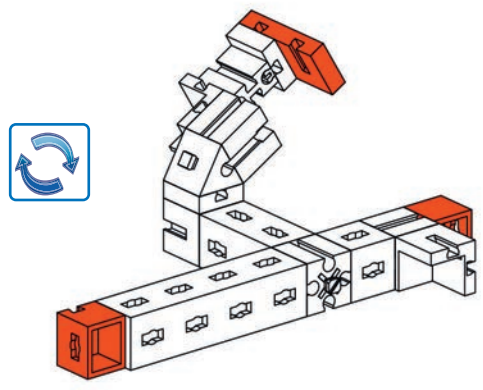
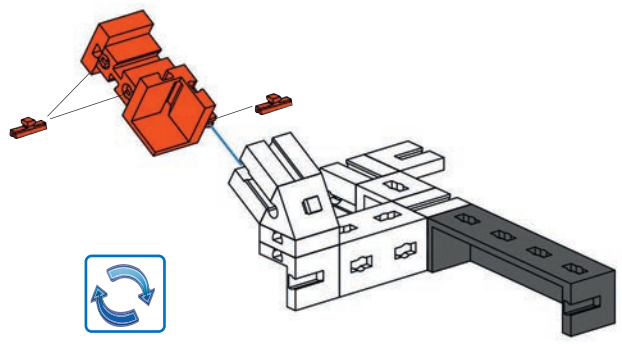




34 3x 1x 1x 2x 60° 1x

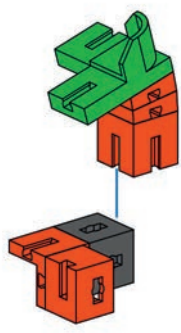
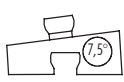


35 1x 3x 1x 1x 1x

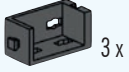


36 2x 1x

37 1x 1x 7,5° 1x 2x 2x 1x



38



3 x



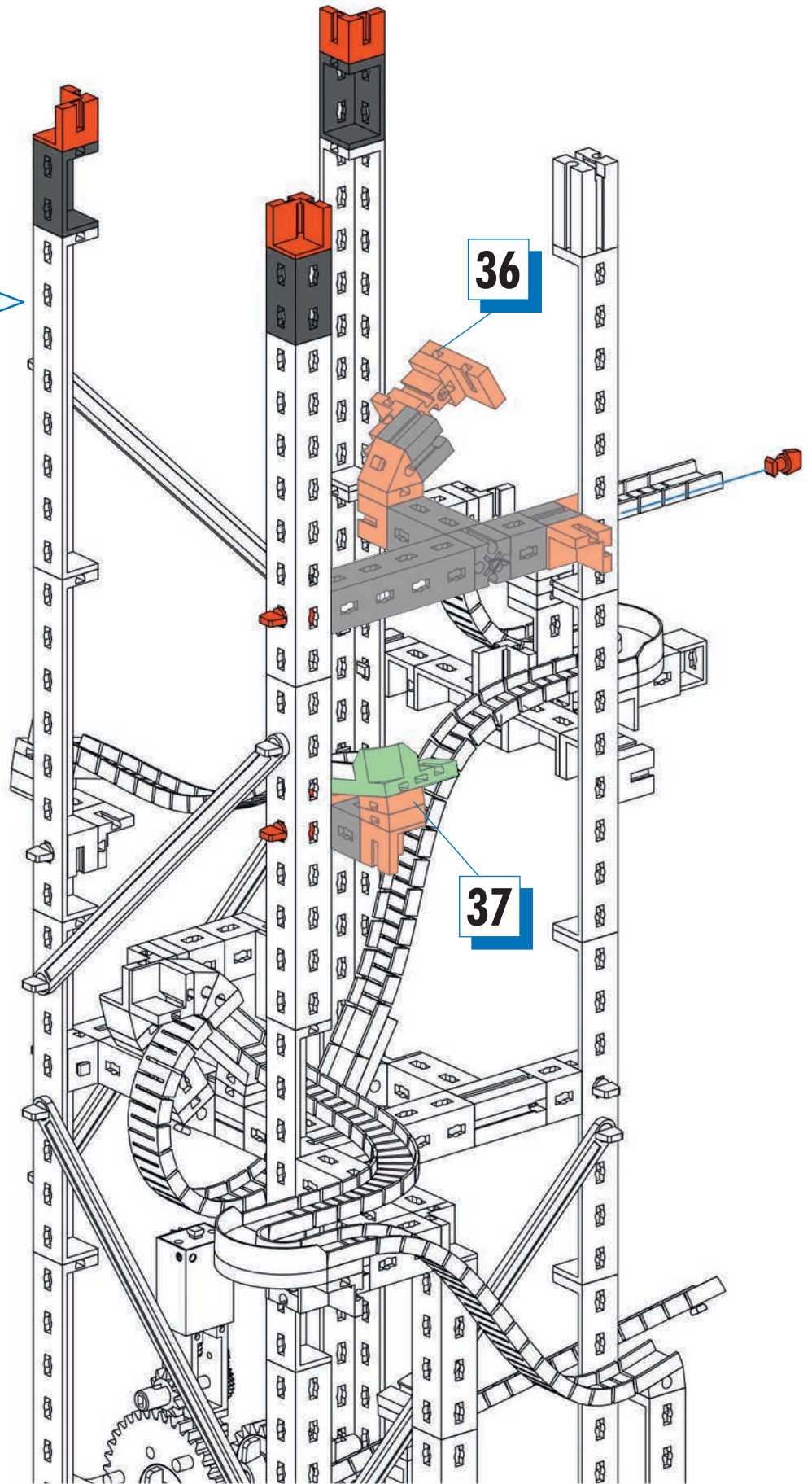
3 x



3 x

36

37



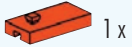
39



1 x



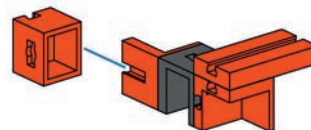
2 x

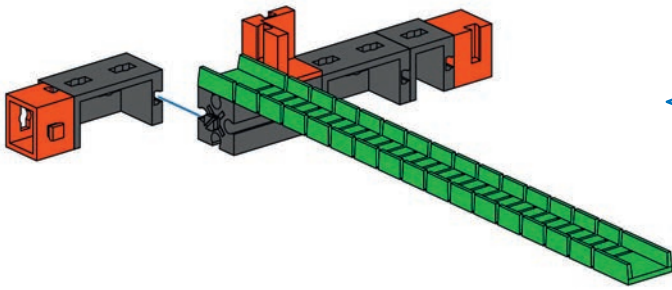


1 x



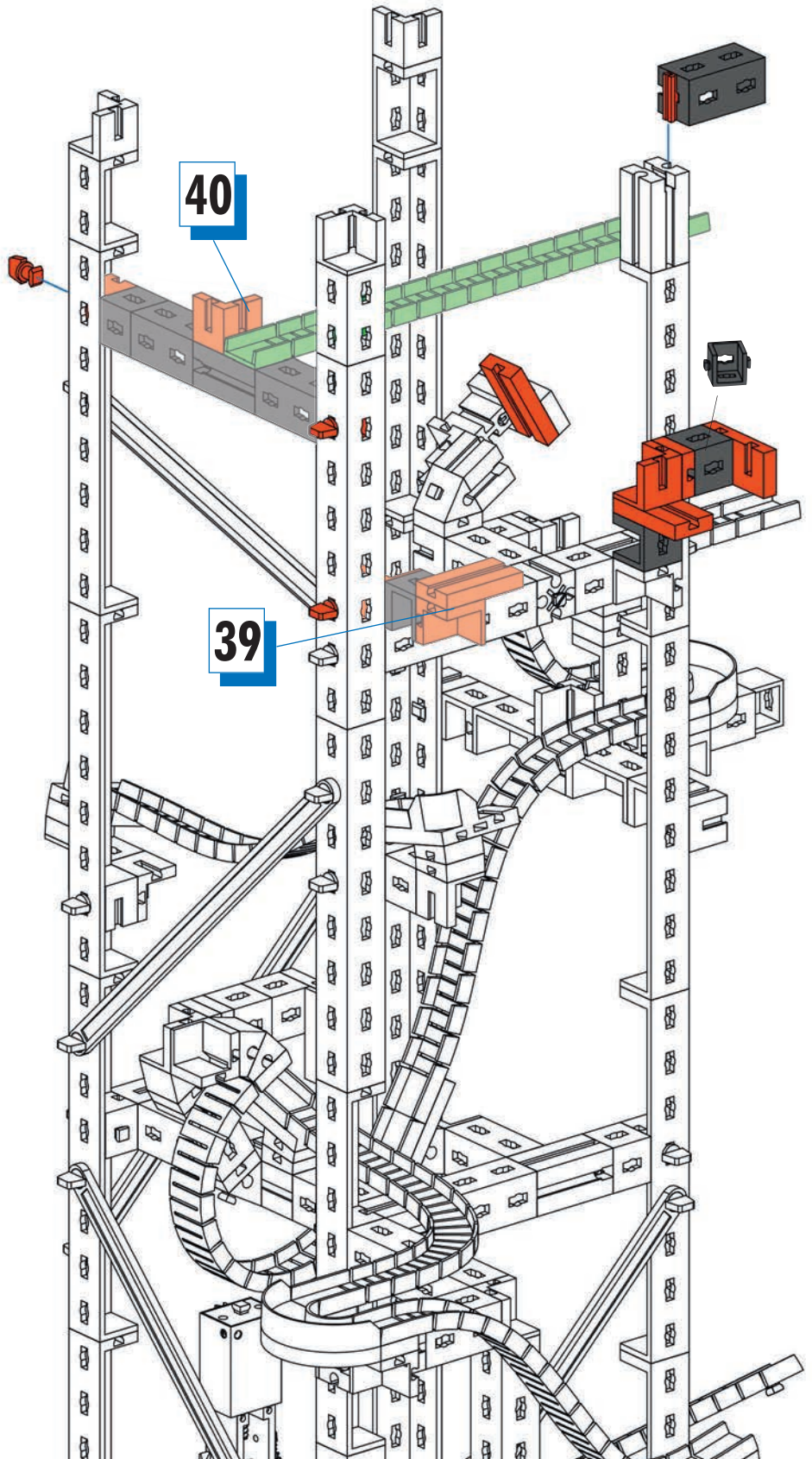
1 x










40

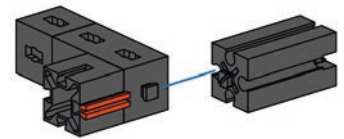
- 1 x Green Technic Beam (15 holes)
- 1 x Grey Technic Beam (15 holes)
- 1 x Grey Technic Connector (1 hole)
- 2 x Grey Technic Connector (2 holes)
- 2 x Orange Technic Connector (1 hole)
- 1 x Orange Technic Connector (2 holes)




41







- 1 x Grey Technic Connector (1 hole)
- 1 x Grey Technic Connector (2 holes)
- 1 x Orange Technic Connector (1 hole)
- 1 x Grey Technic Connector (2 holes)
- 1 x Orange Technic Connector (1 hole)
- 1 x Orange Technic Connector (2 holes)
- 3 x Orange Technic Pin (with friction ridges)
- 1 x Orange Technic Connector (1 hole)
- 2 x Orange Technic Connector (2 holes)


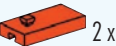

42  1x  1x  1x  1x  1x

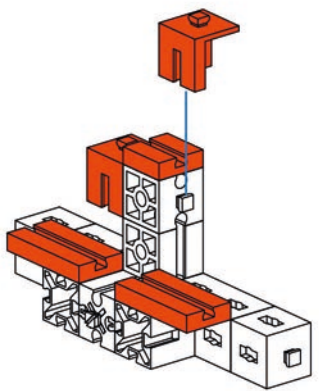
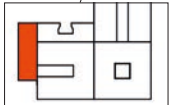






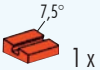


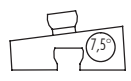
Große Bohrung
Large drilling
Alésage large
Grate boring
Perforación grande
Orificio grande
Grande foro
Большое отверстие
大孔





43  1x  1x  1x  1x  1x  1x

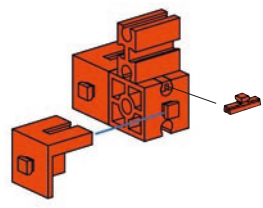
44  2x  2x  1x

45  2x  2x  1x  1x  1x



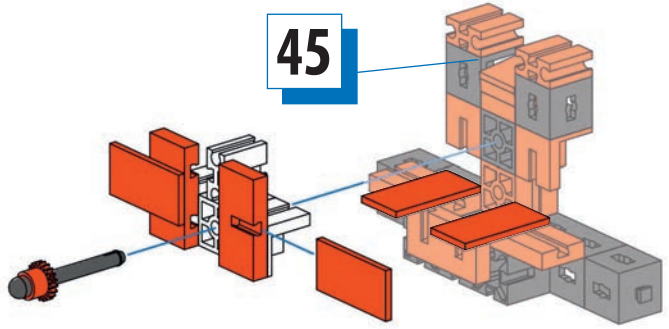
46  1x  2x  1x  1x



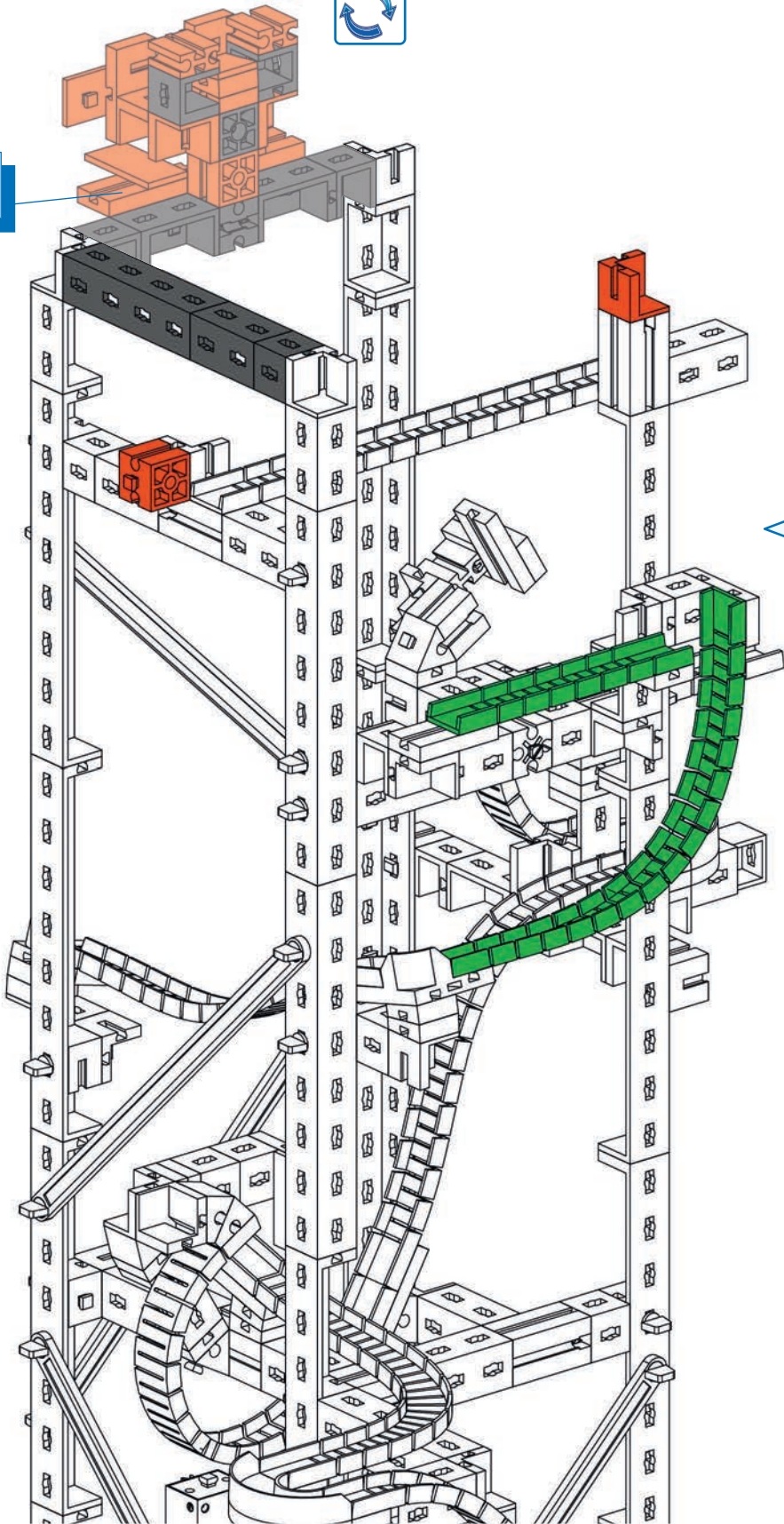
47

- 2 x [Orange 1x3 Technic Beam]
- 1 x [Red 1x1 Technic Pin]
- 4 x [Orange 1x2 Technic Beam]
- 1 x [Grey 1x2 Technic Pin]
- 1 x [Black 1x2 Technic Pin]

45

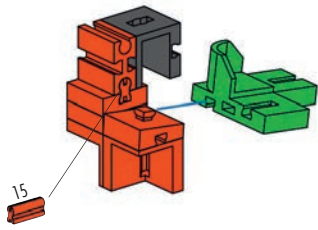


47










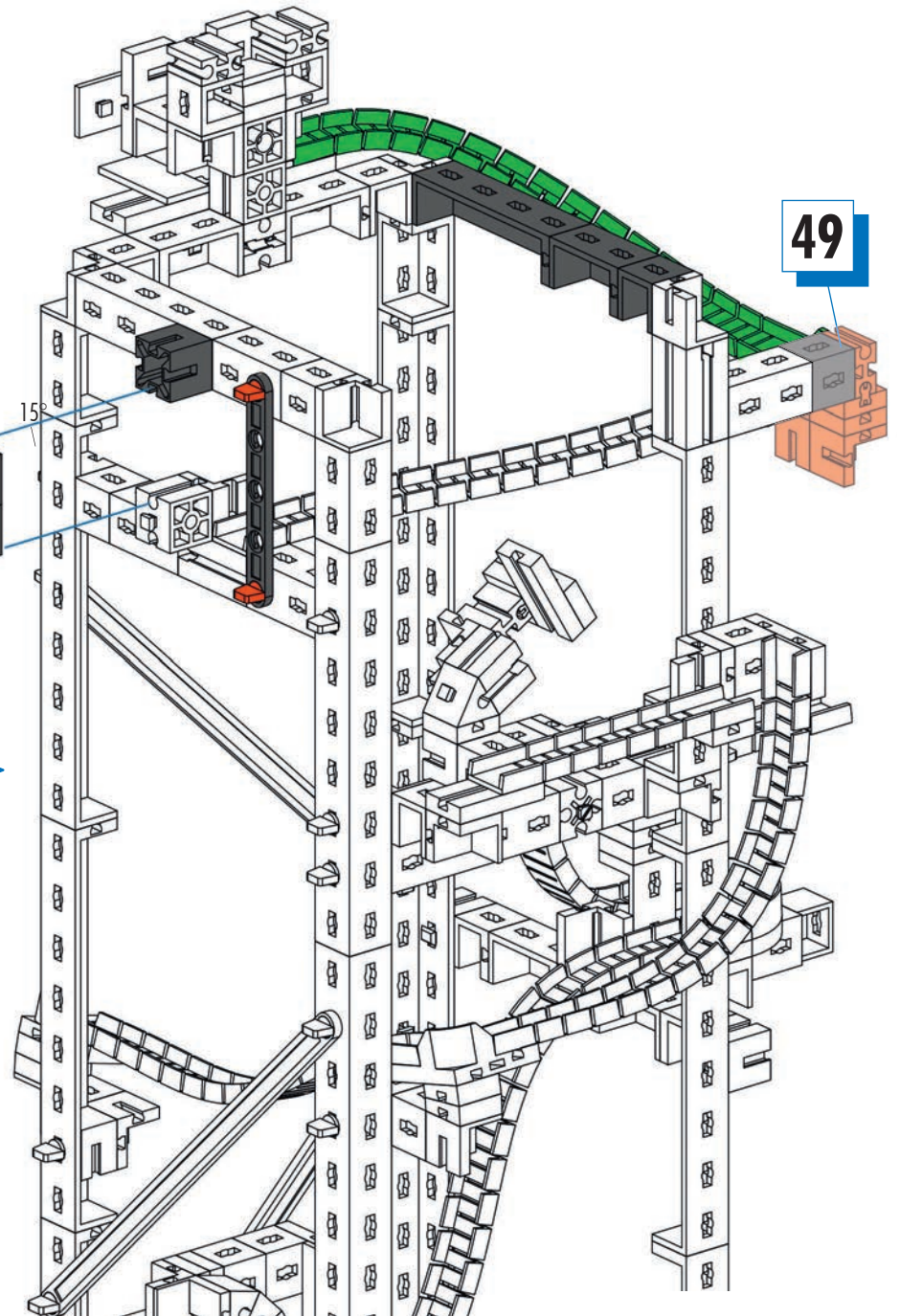
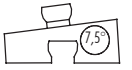
48

- 1 x [Green 1x12 Cable Management Duct]
- 1 x [Green 1x6 Cable Management Duct]
- 1 x [Grey 1x2 Technic Pin]
- 1 x [Grey 1x2 Technic Pin]
- 1 x [Grey 1x2 Technic Pin]
- 1 x [Red 1x2 Technic Pin]
- 1 x [Red 1x2 Technic Pin]



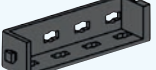







49











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

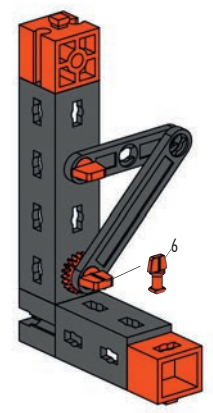
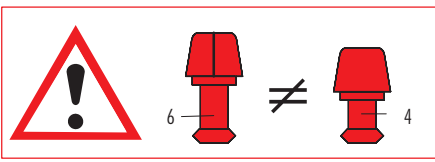


50

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

51

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



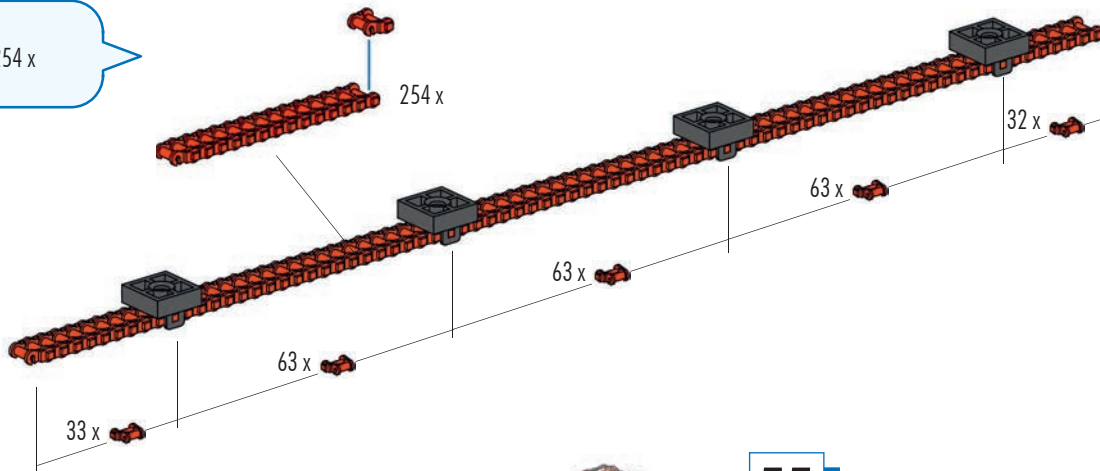
55



4 x

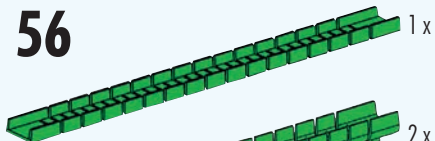


254 x

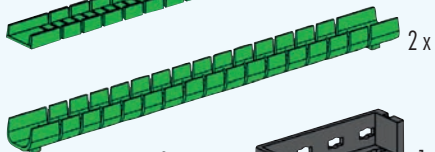


55

56



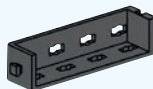
1 x



2 x



1 x



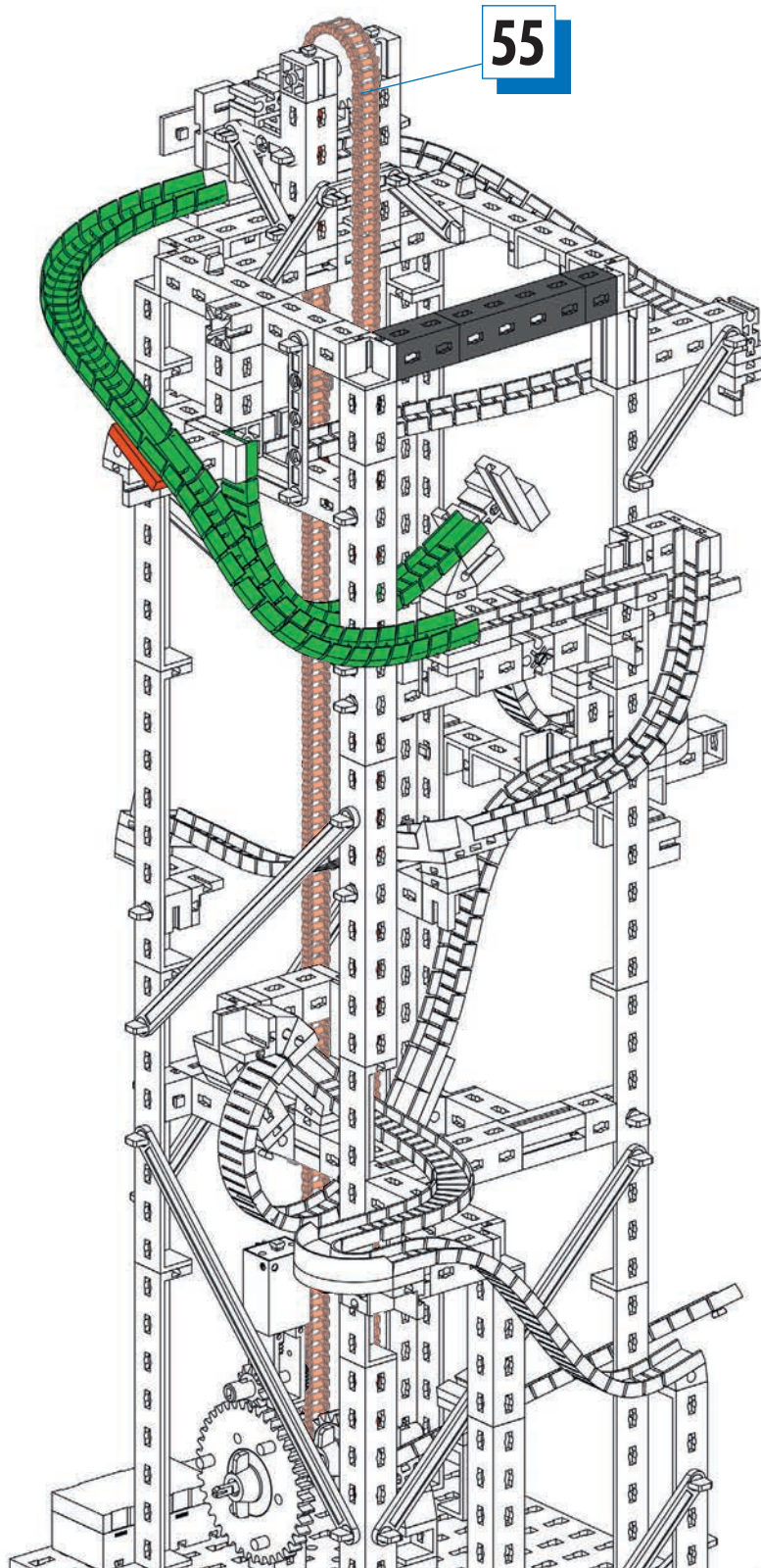
1 x



1 x



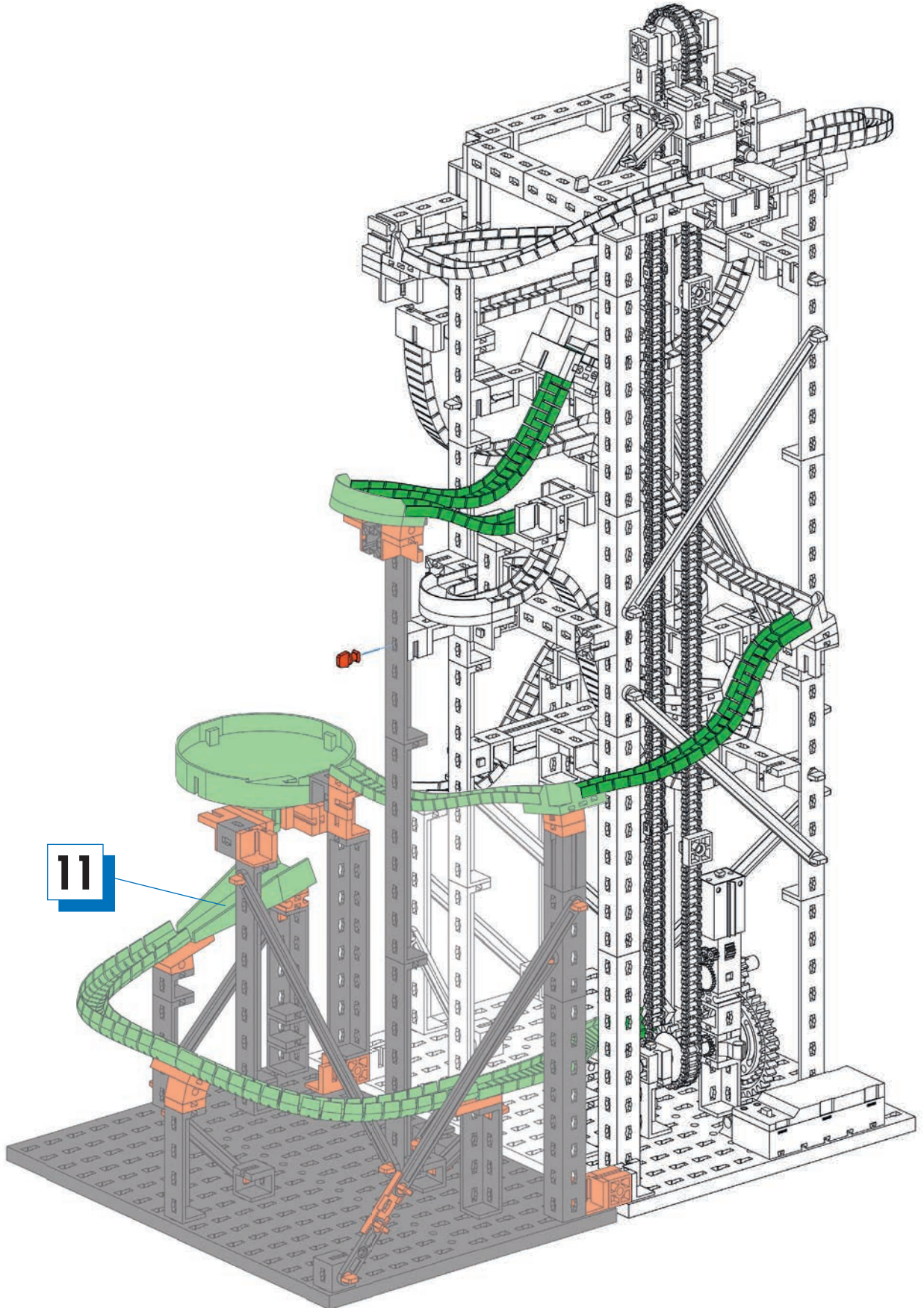
1 x



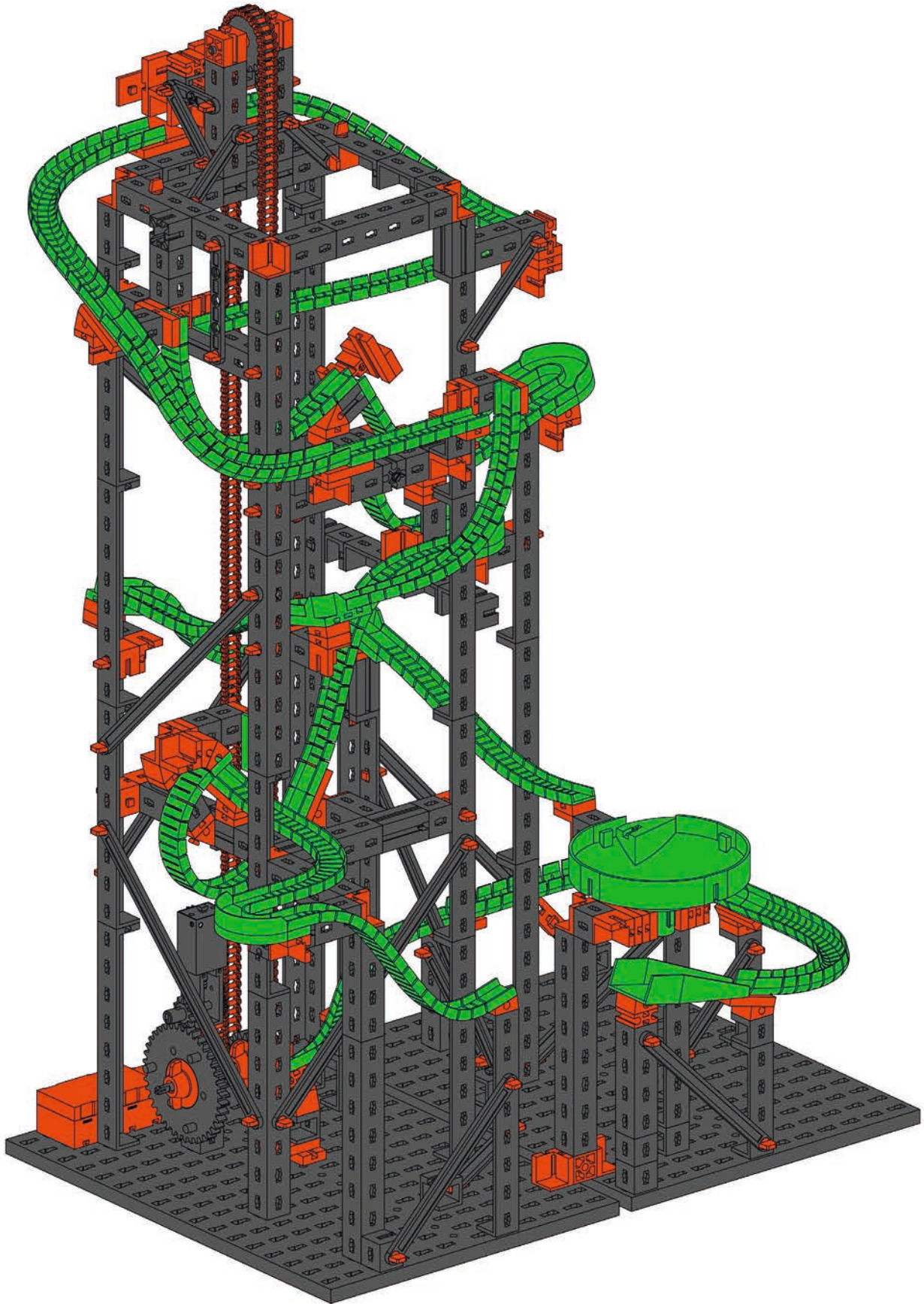
57

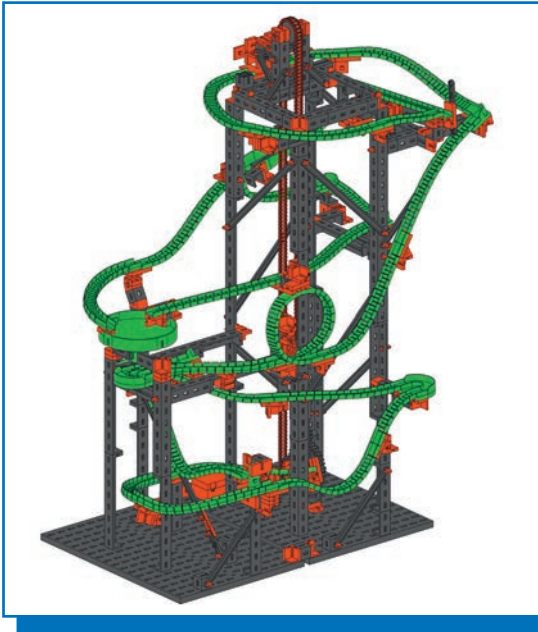
2 x

1 x



11

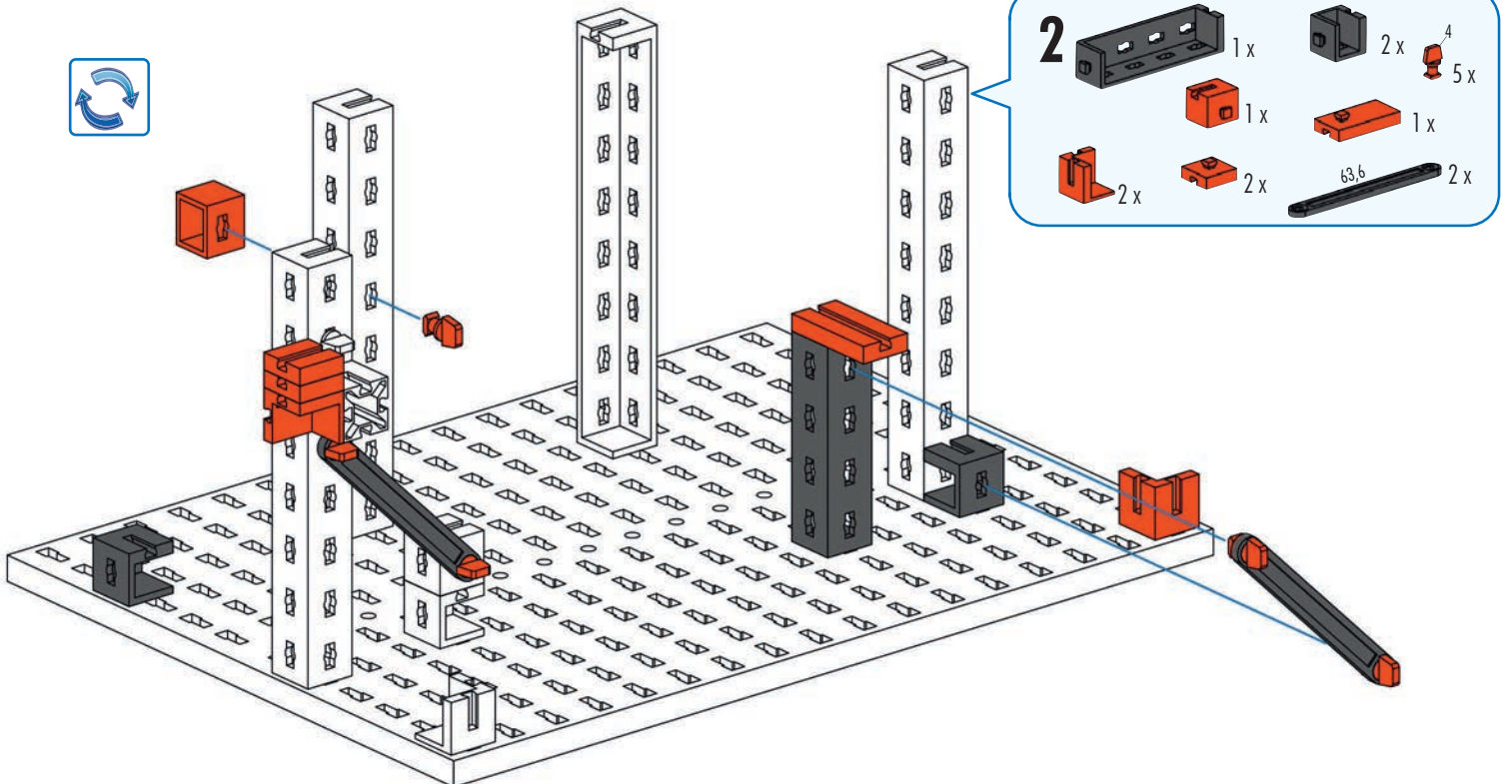
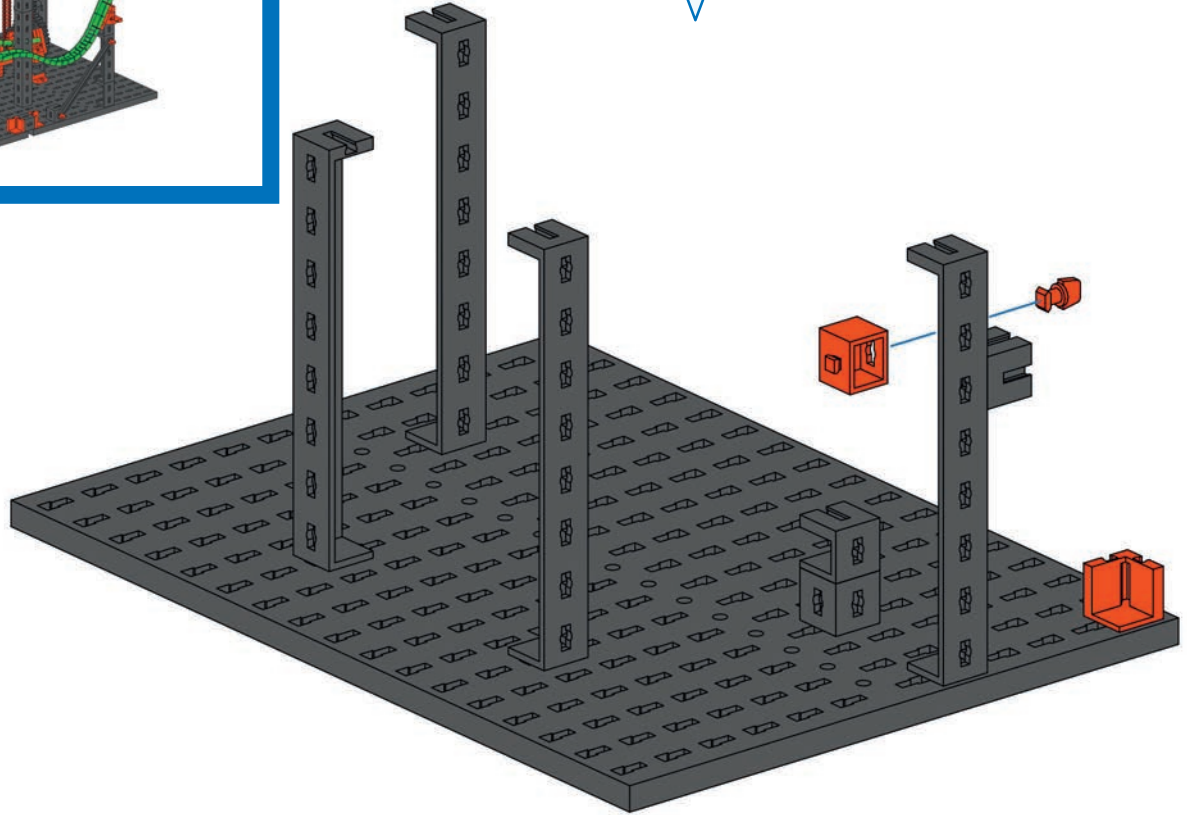
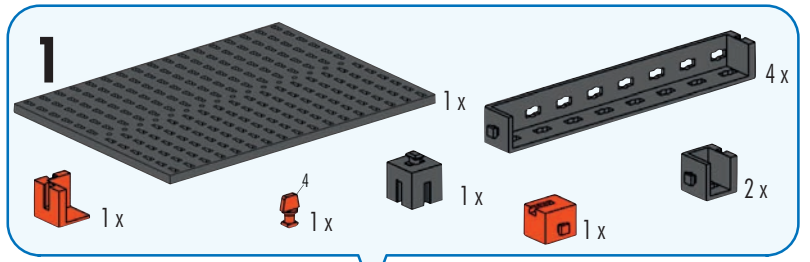




Parcours 3
Obstacle course 3
Parcours 3

Parcours 3
Pista de recorrido 3
Circuito 3

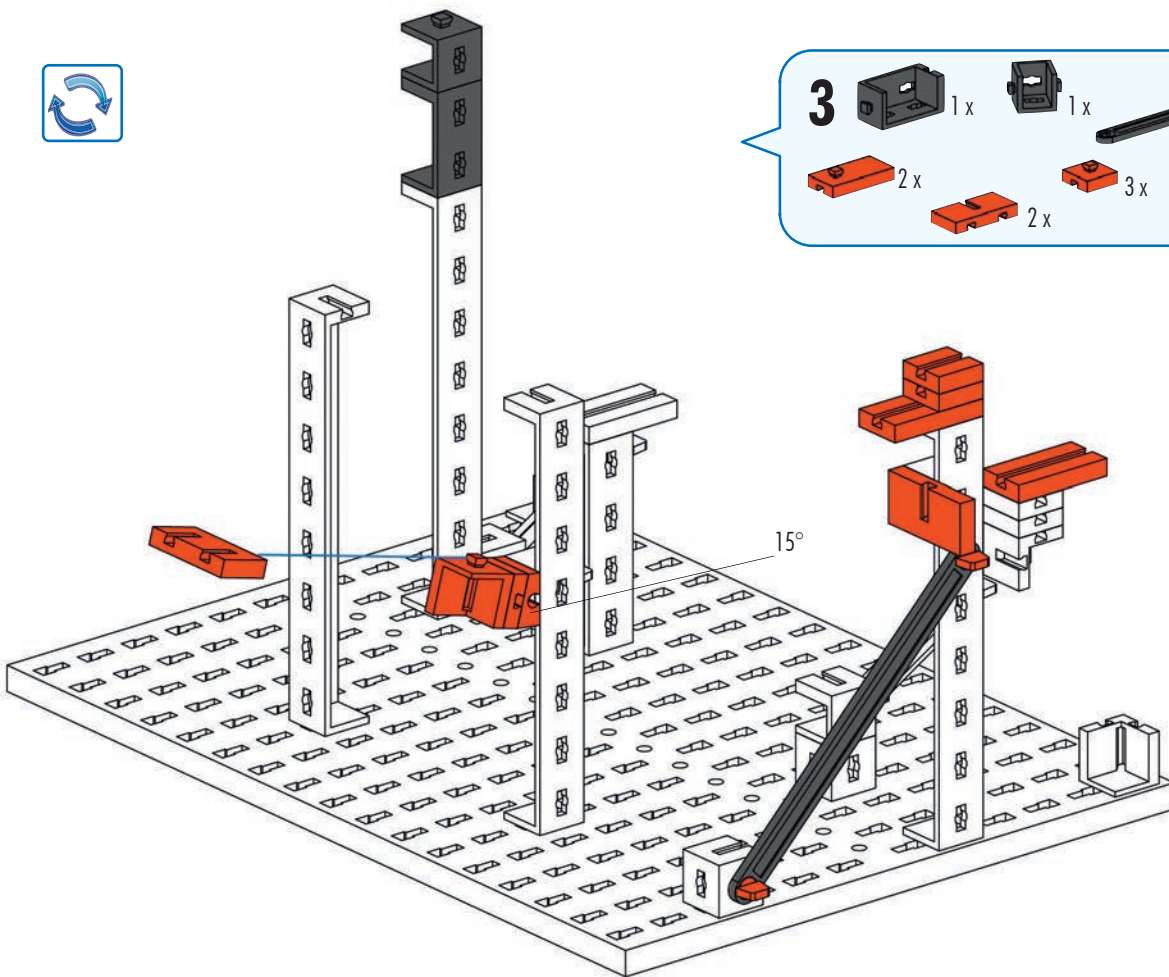
Circuito 3
Маршрут 3
滚珠弯道 3





3

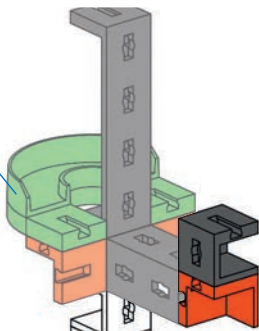
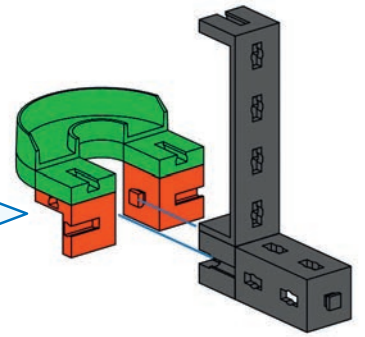
- 1 x [Grey Technic Connector]
- 1 x [Grey Technic Connector]
- 1 x [Black Technic Beam 106]
- 2 x [Red Technic Beam 2]
- 2 x [Red Technic Beam 2]
- 3 x [Red Technic Beam 3]
- 1 x [Red Technic L-Bracket]
- 2 x [Red Technic Pin 4]
- 1 x [Red Technic Pin 15°]



4

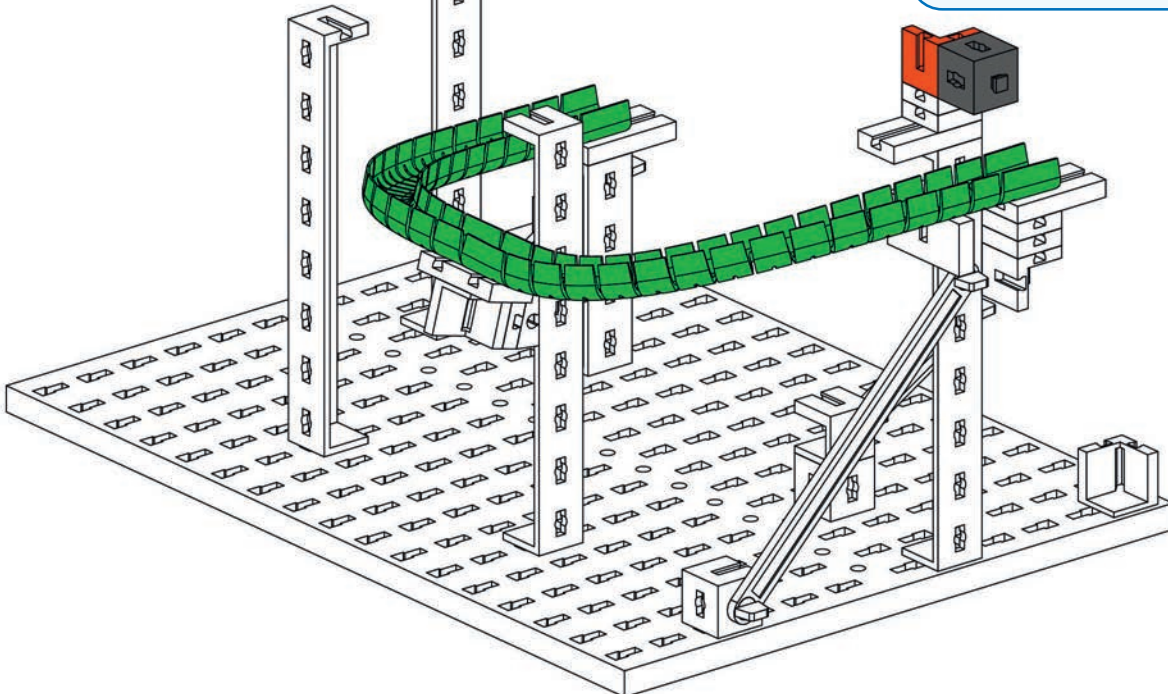
4

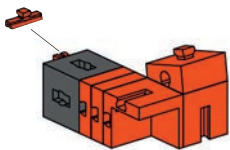
- 1 x [Grey Technic Connector]
- 1 x [Grey Technic Connector]
- 1 x [Red Technic Connector]
- 1 x [Green Technic C-Bracket]
- 2 x [Red Technic L-Bracket]



5

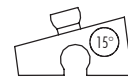
- 1 x [Grey Technic Connector]
- 2 x [Green Technic Cable Protector]
- 2 x [Red Technic L-Bracket]
- 1 x [Grey Technic Connector]





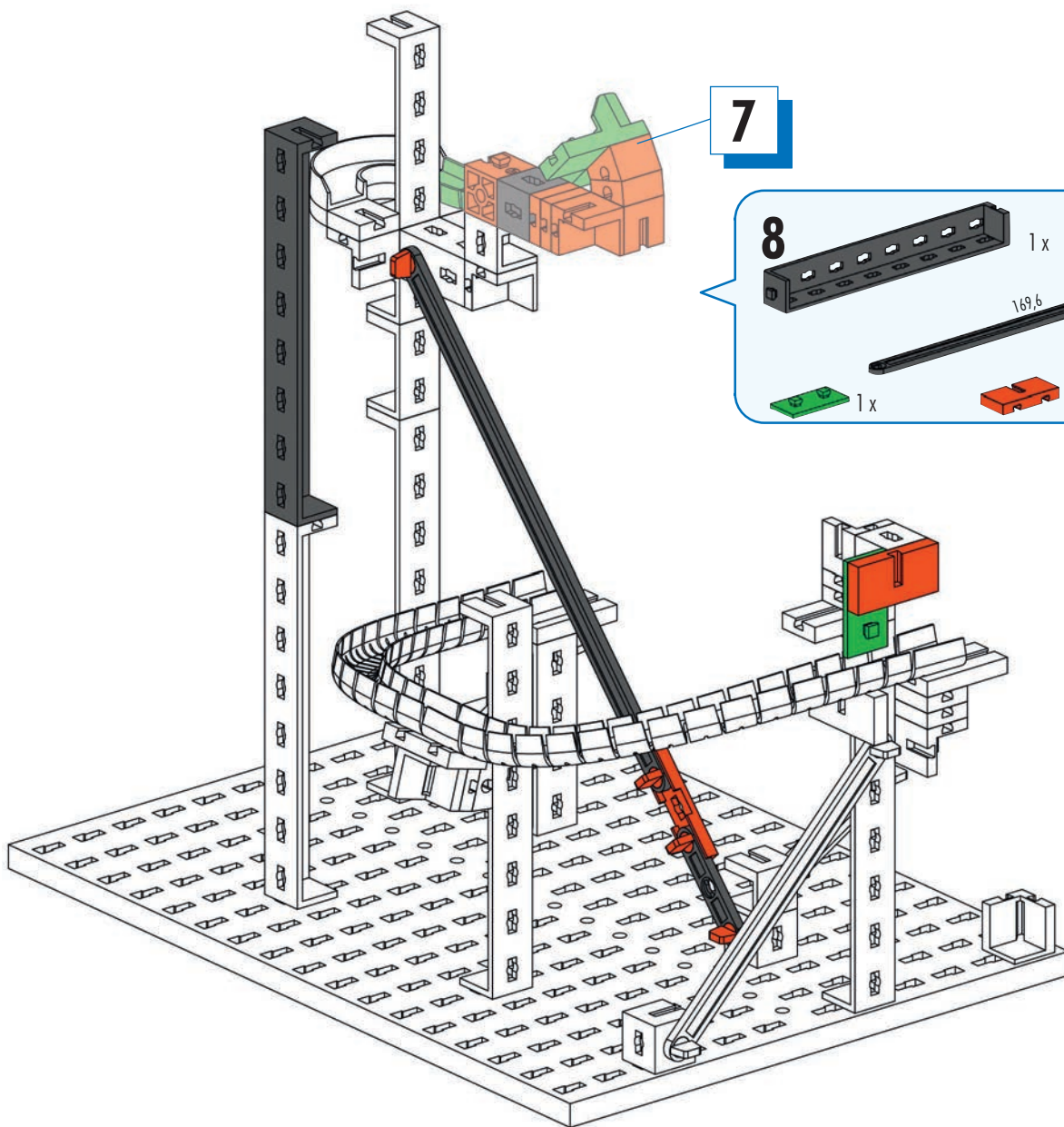
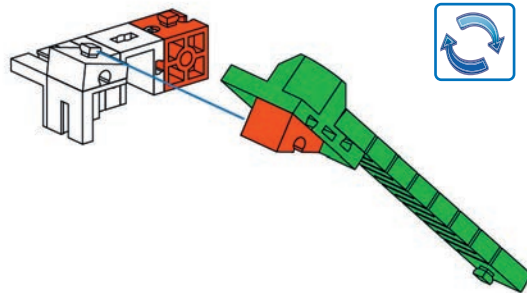
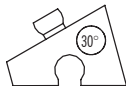
6

- 1x [Grey 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]
- 2x [Red 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]
- 2x [Red 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]



7

- 1x [Green 1x10 Technic Beam]
- 1x [Red 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]
- 1x [Green 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]

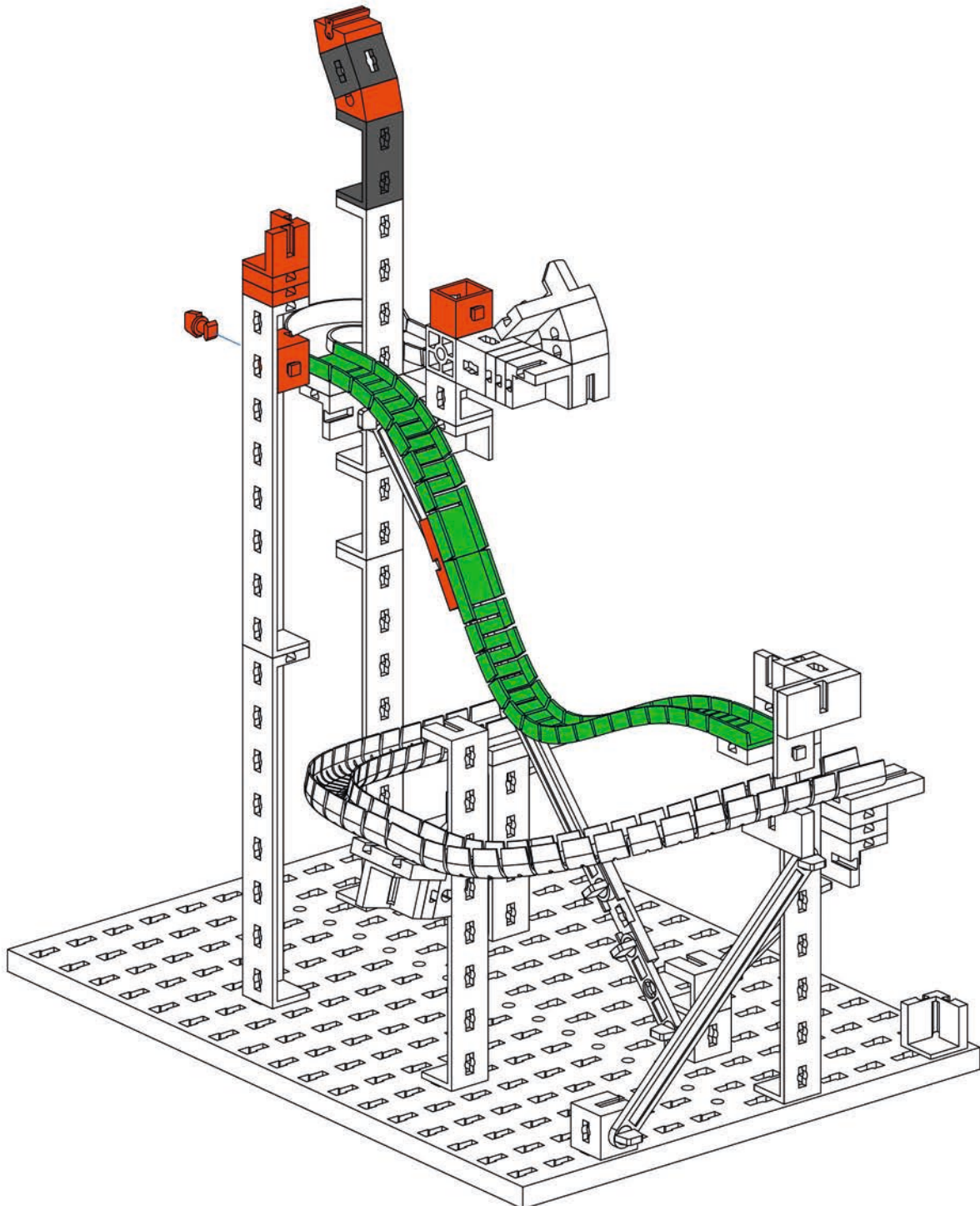
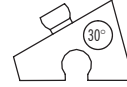
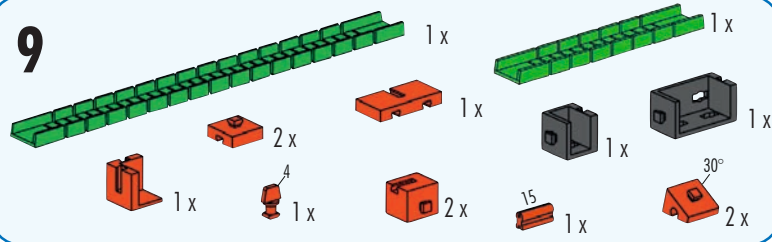


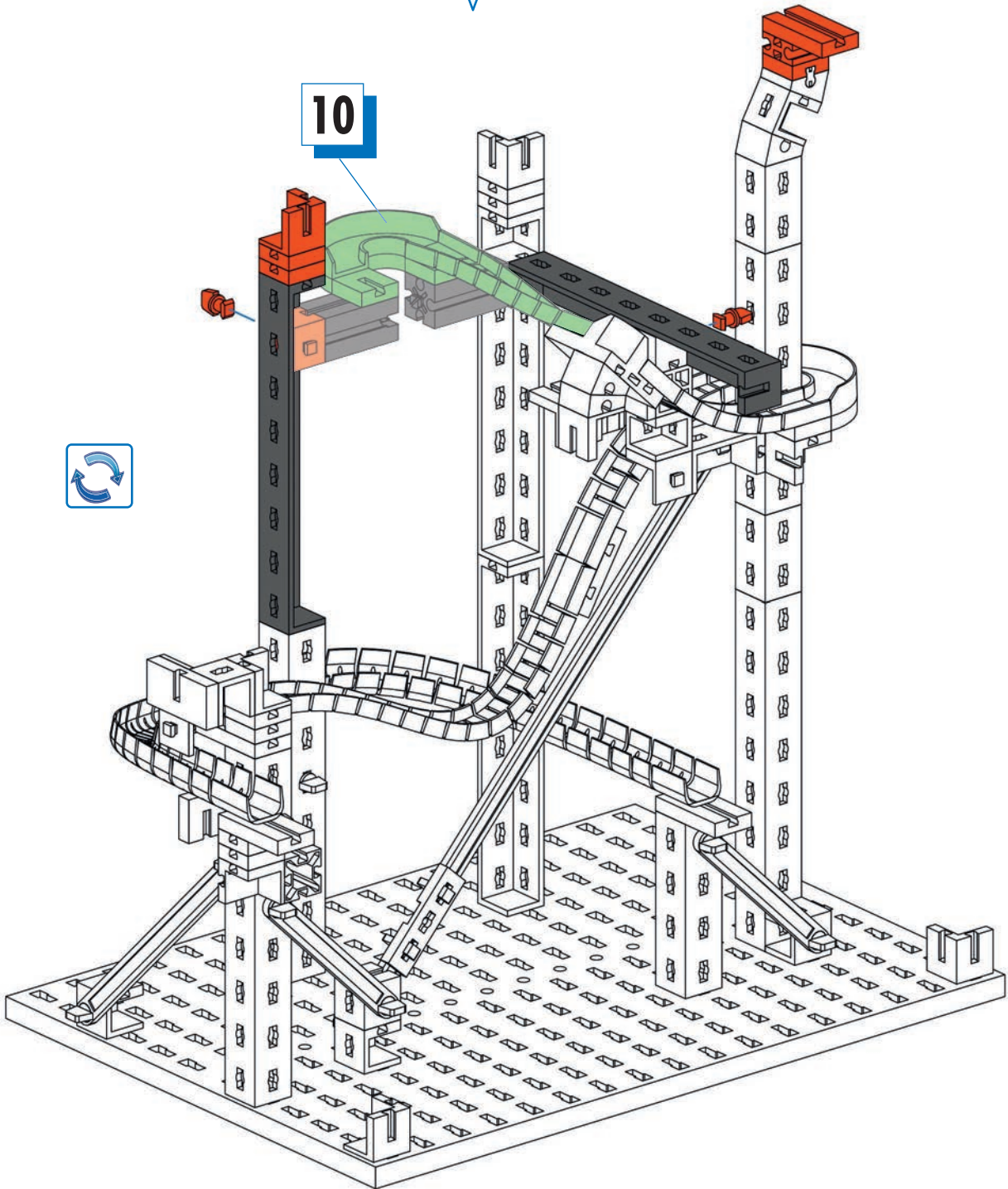
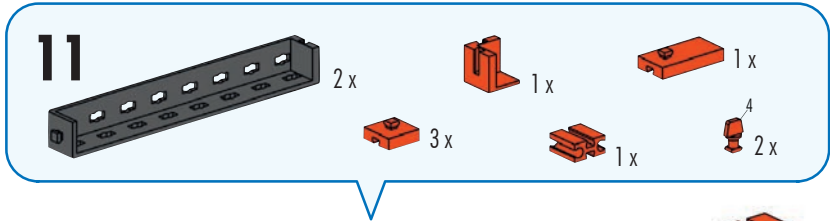
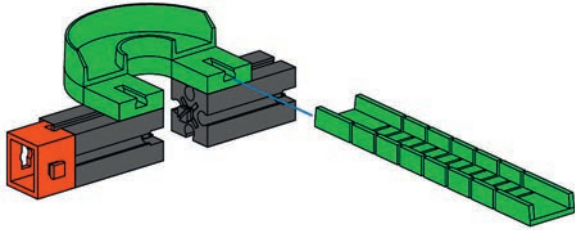
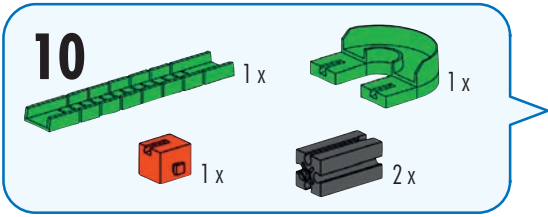
7

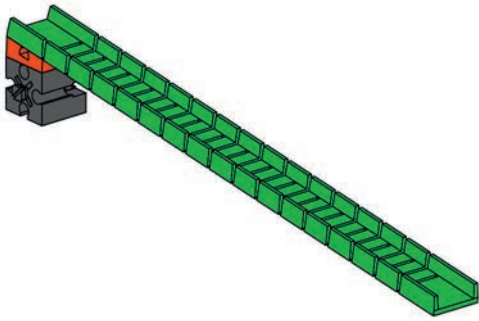
8

- 1x [Grey 1x10 Technic Beam]
- 4x [Red 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]
- 1x [Red 1x2 Technic Brick]

9







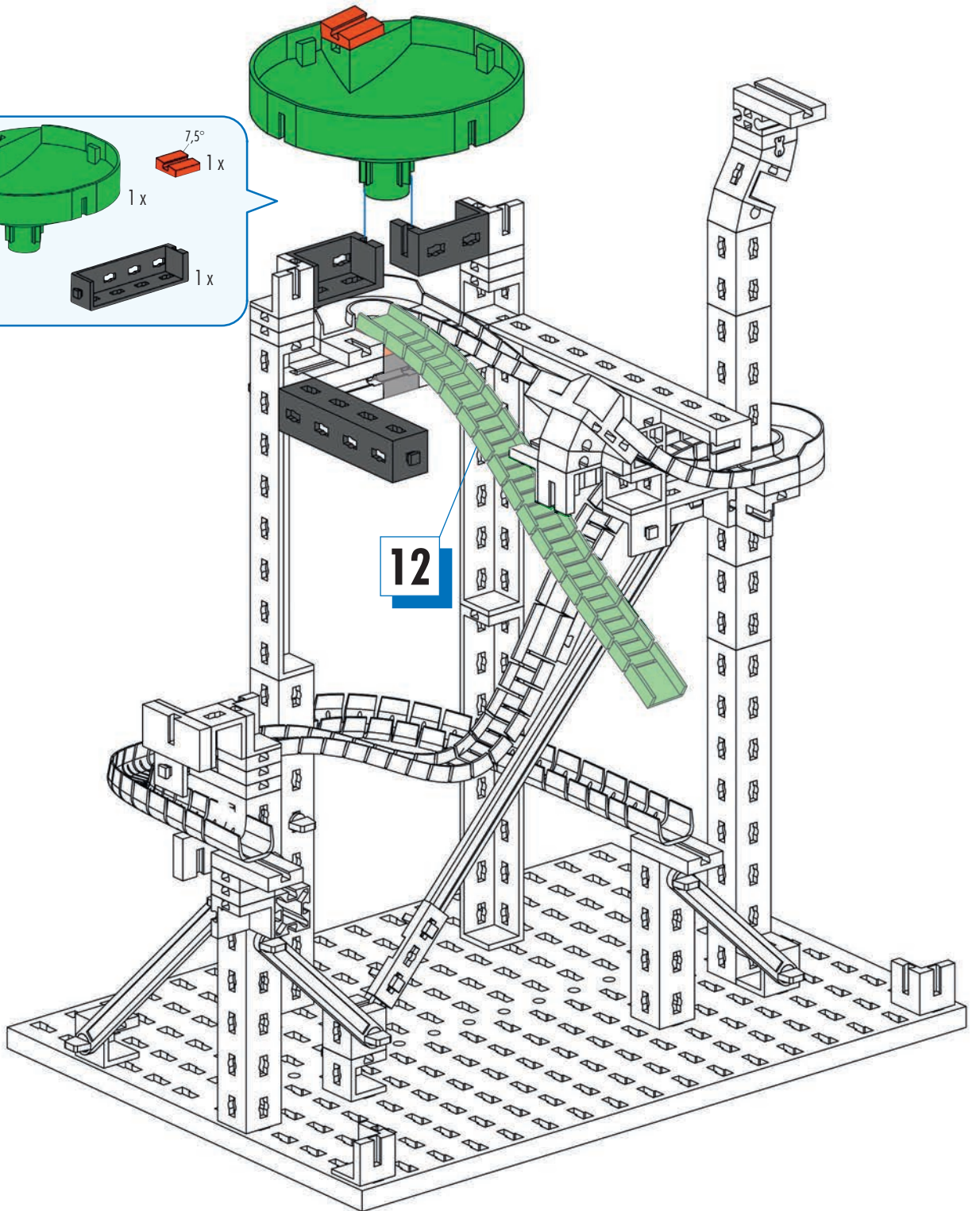
12

1x
1x
7.5°
1x

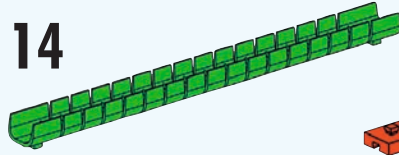


13

1x
7.5°
1x
2x
1x



14



1x



1x



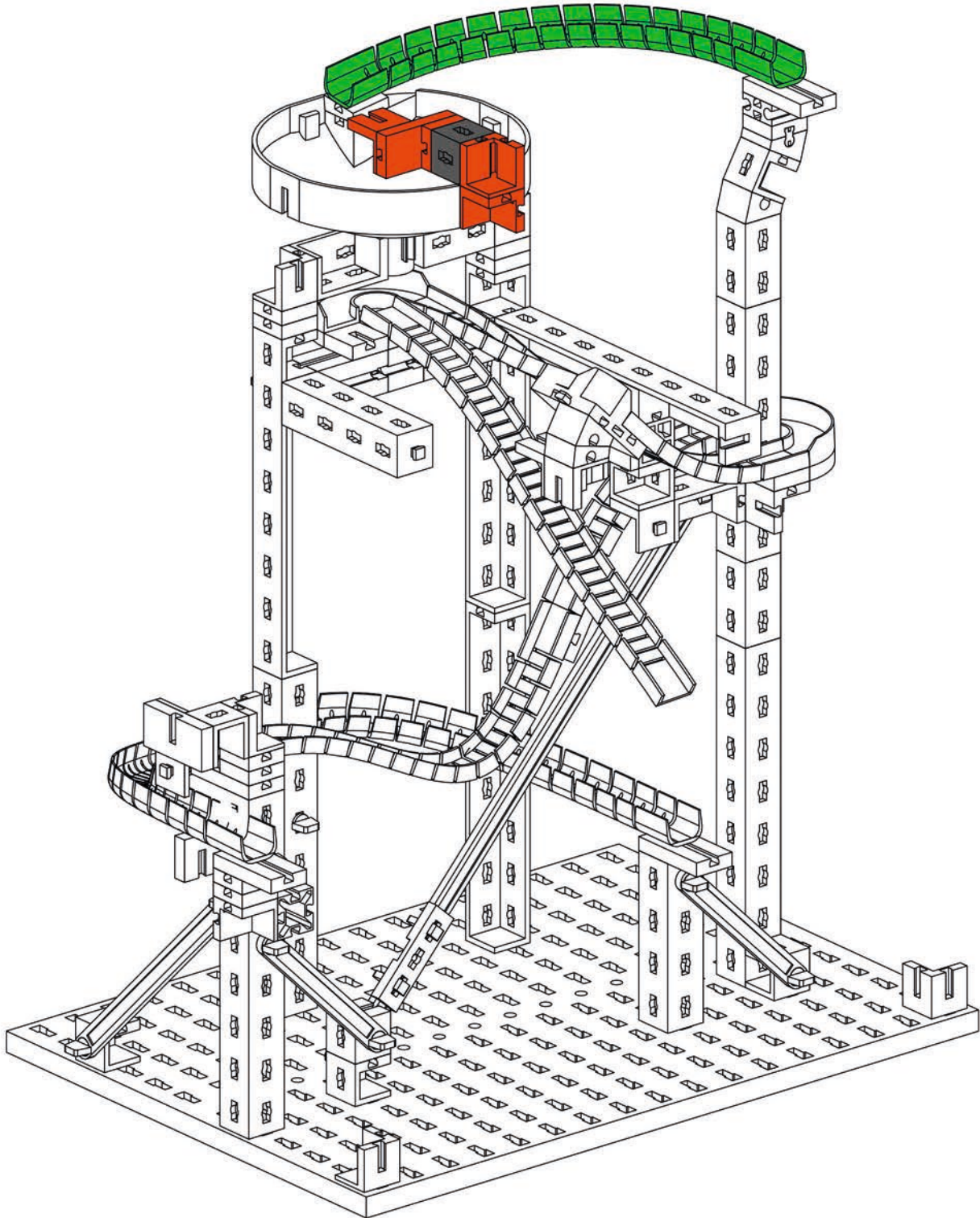
1x

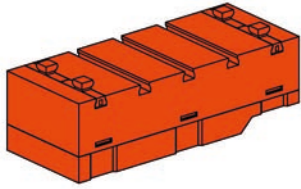


1x

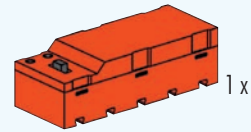


3x





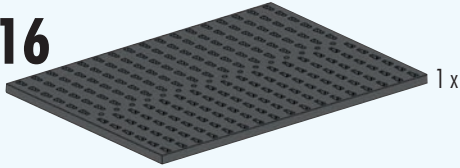
15



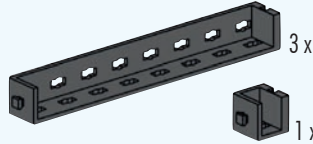
1 x

4 x

16



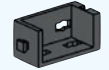
1 x



3 x



1 x



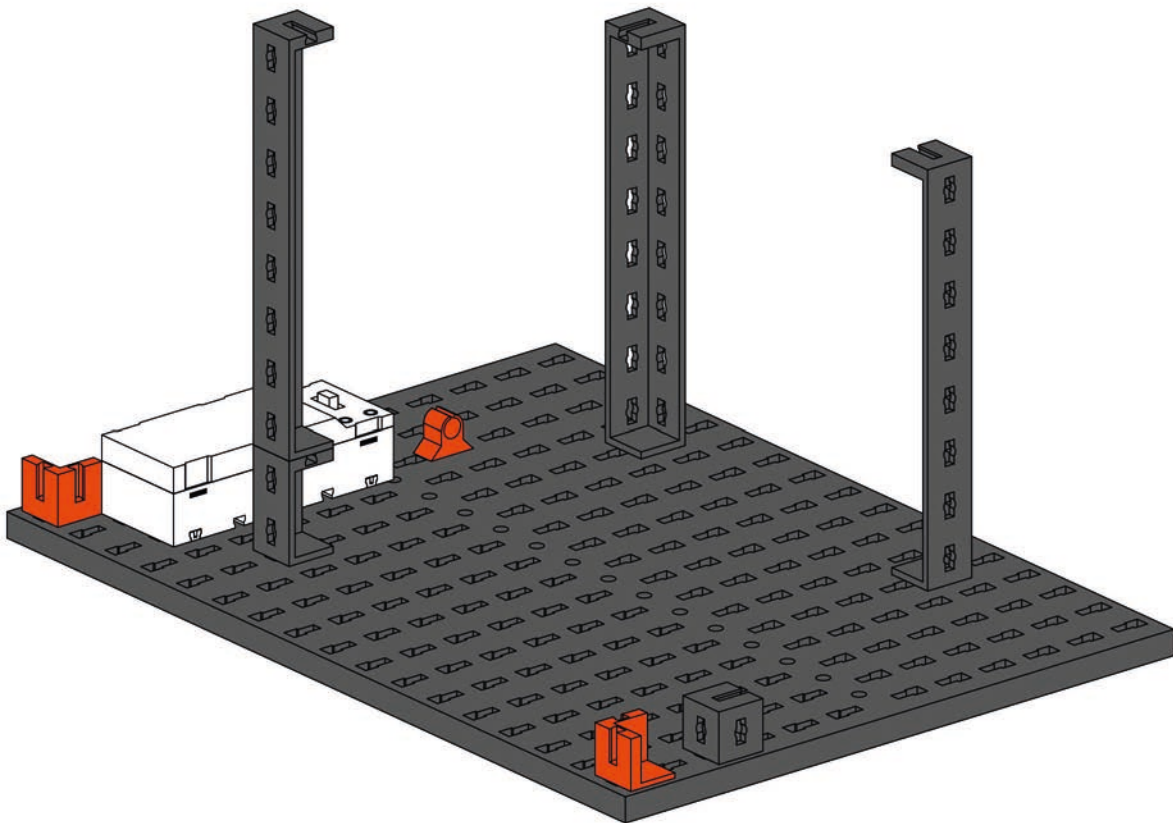
1 x



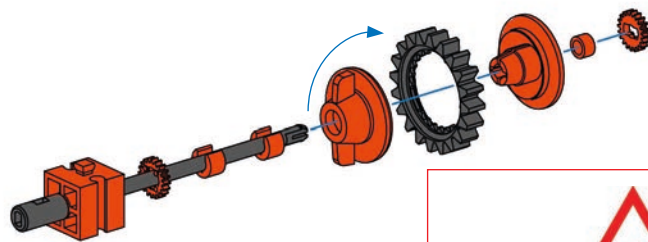
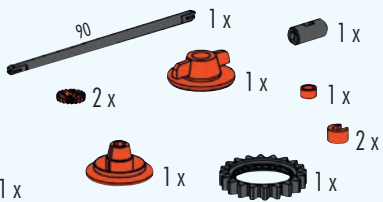
1 x



2 x

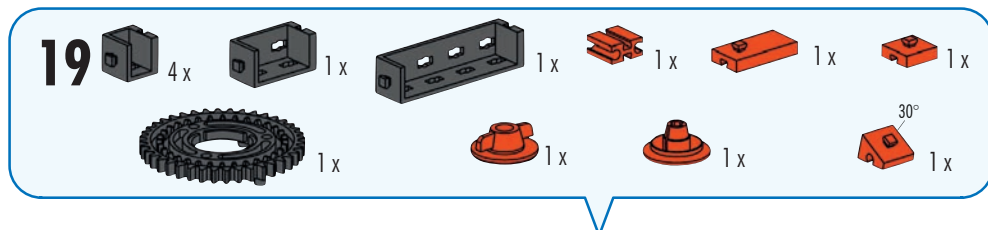
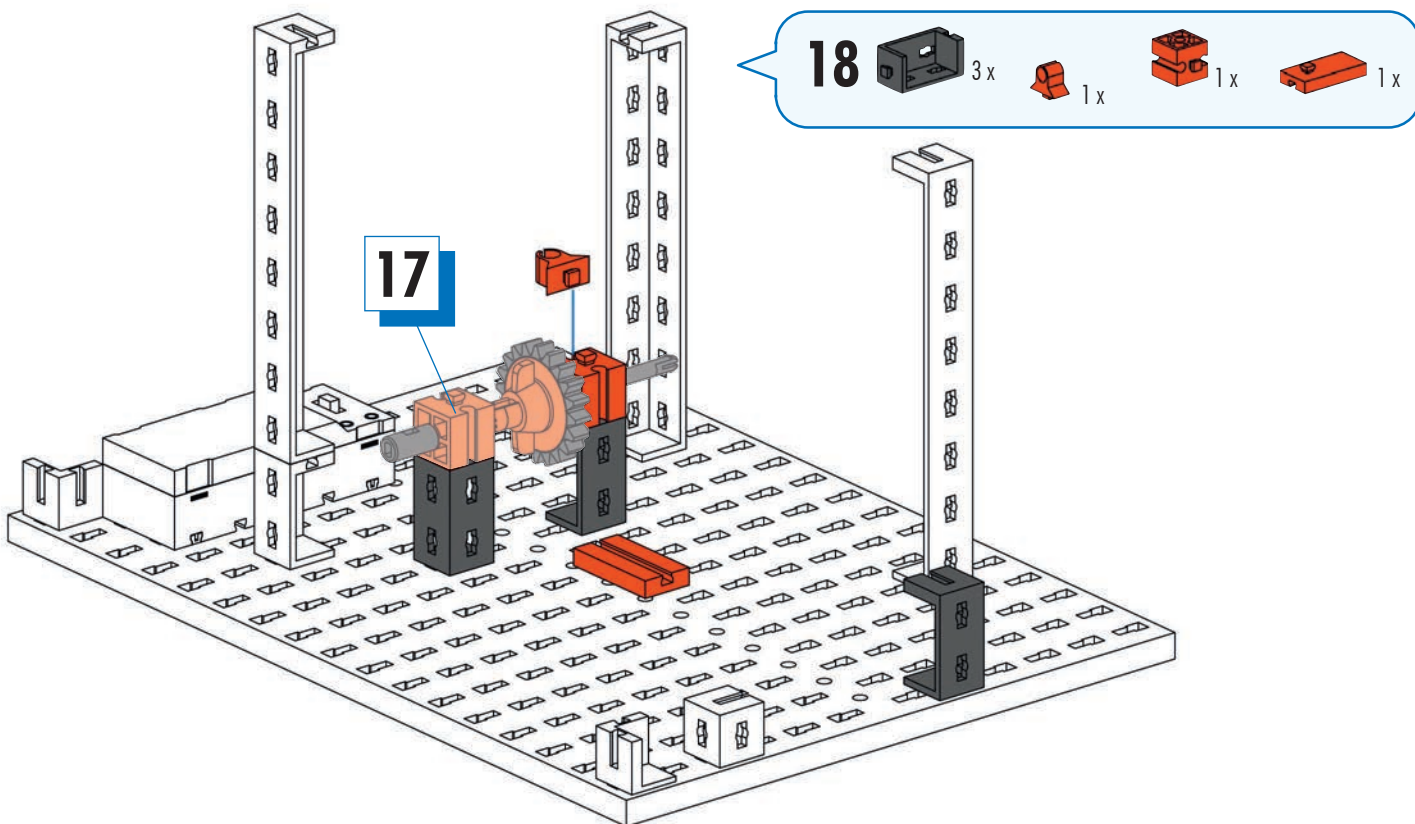


17

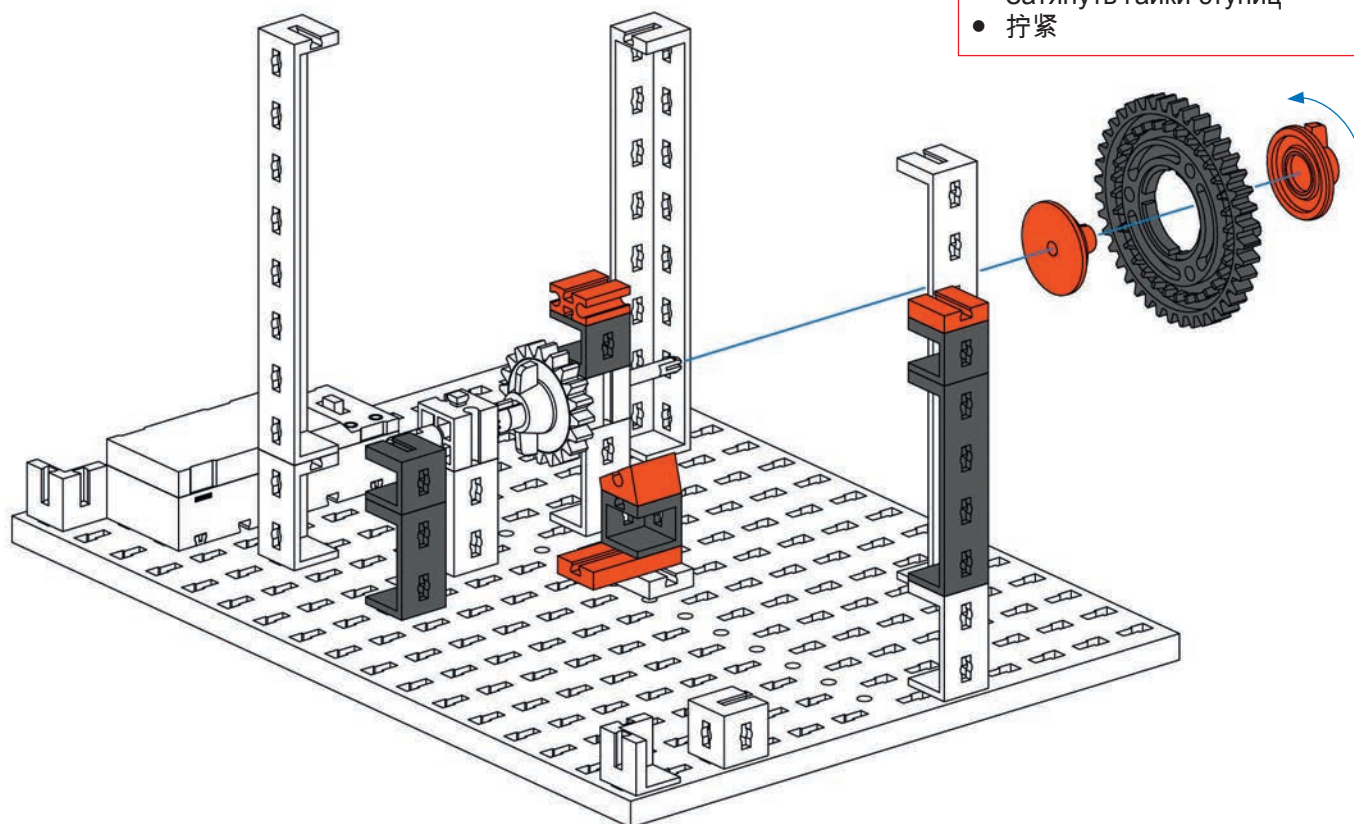


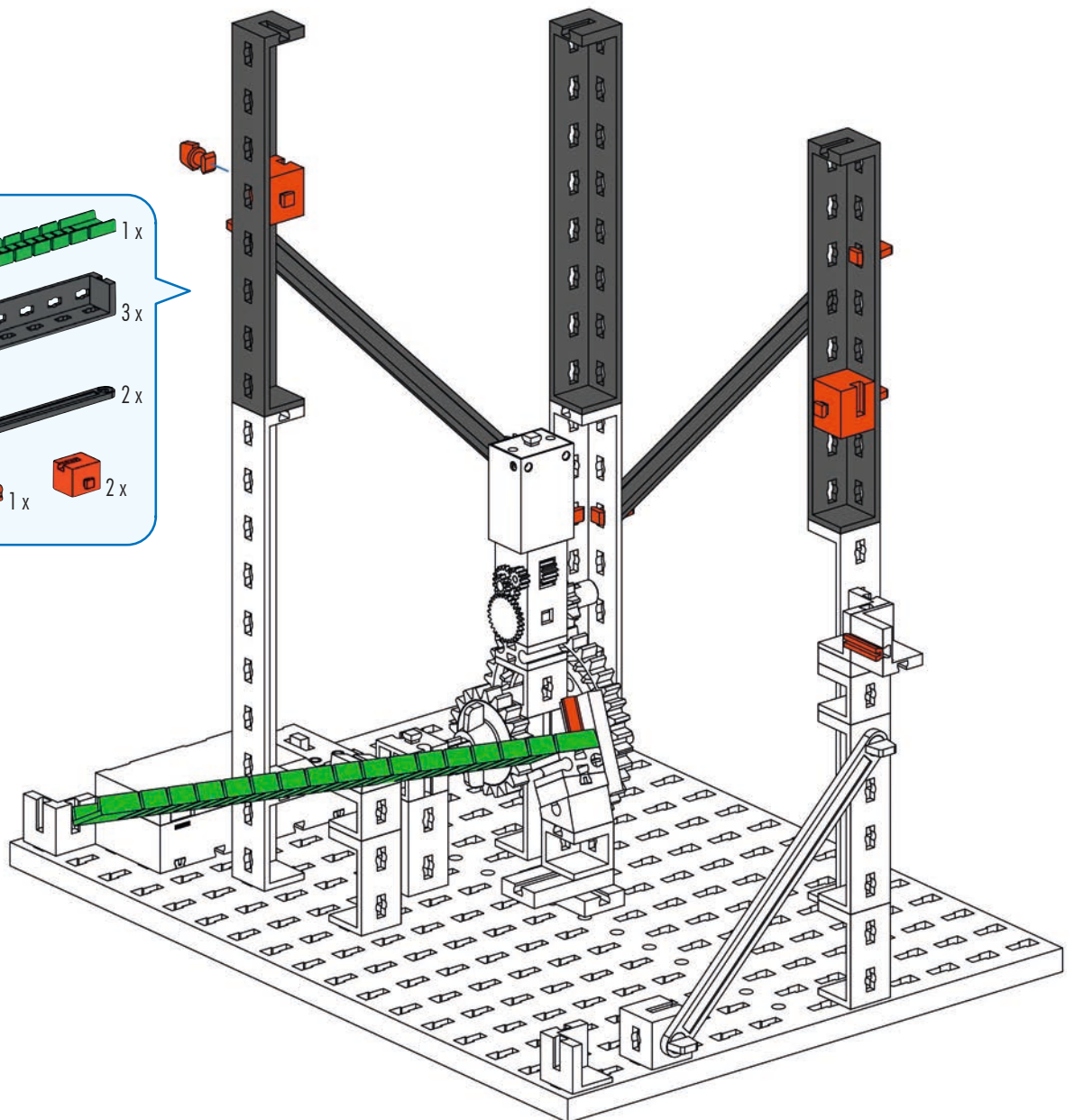
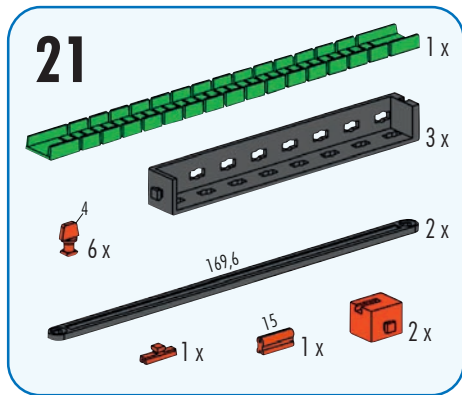
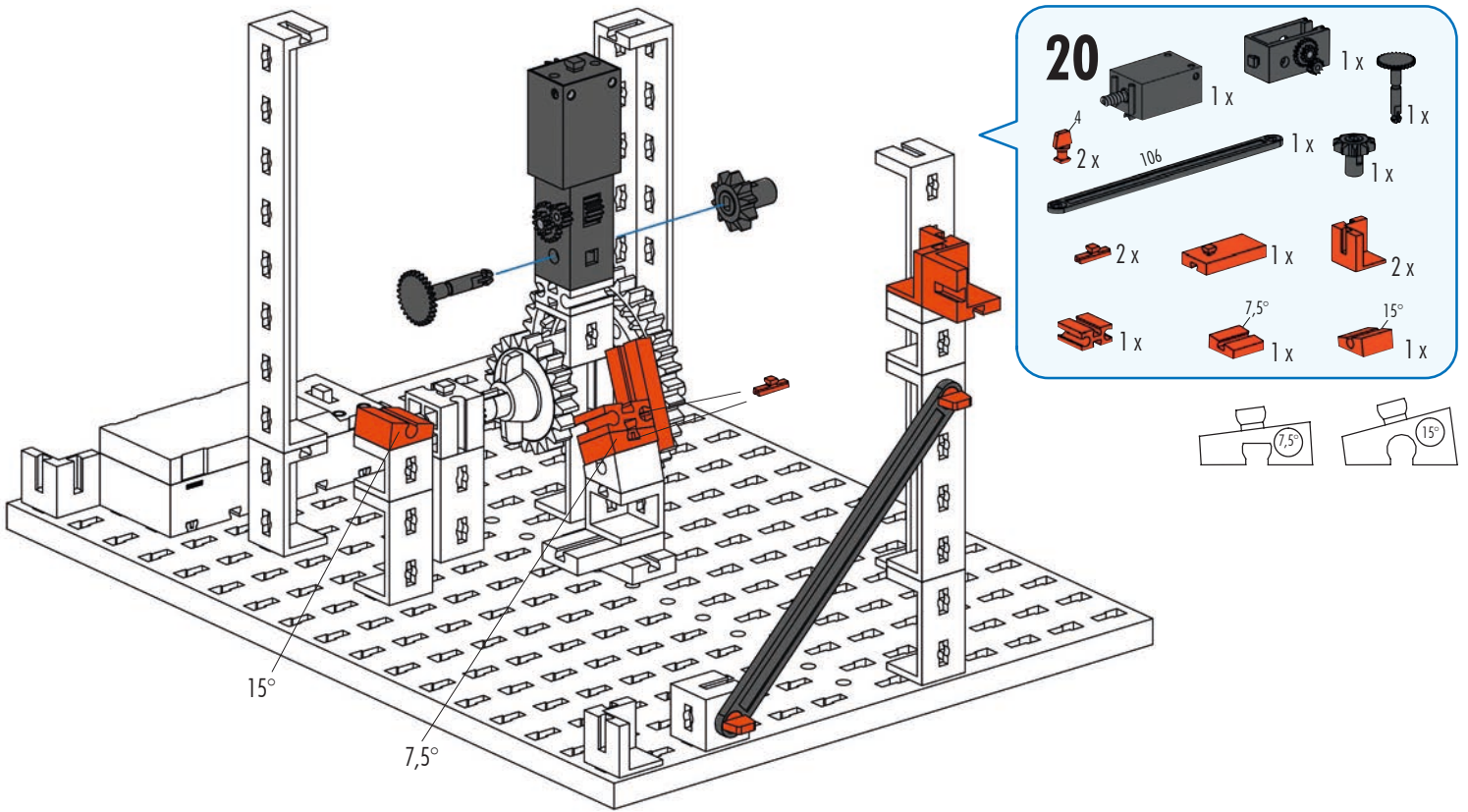
- Nabenmutter sehr fest anziehen
- Fasten the hub nut very tightly
- Serrer l'écrou du moyeu très serré
- Draai de naafmoer goed vast
- Atornillar las tuercas laterales muy fuertes
- Apertar bem as porcas de cubo
- Stringere saldamente il dado del mozzo
- Затянуть гайки ступиц
- 拧紧

90 mm

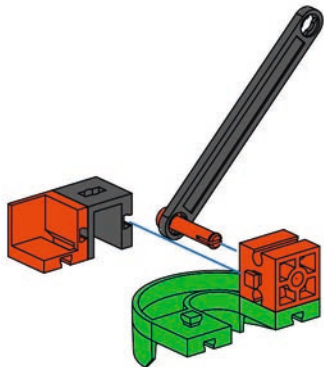
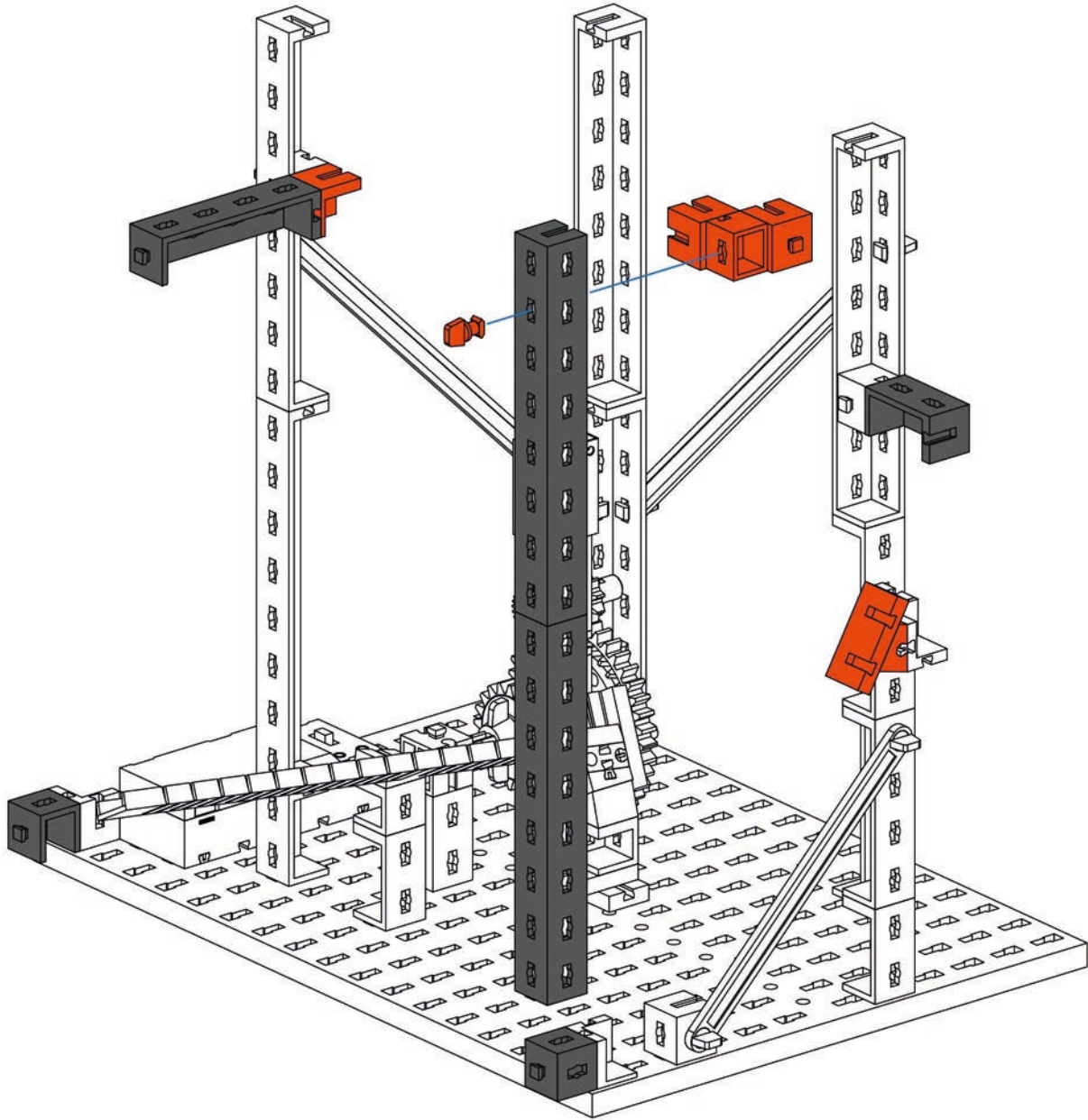
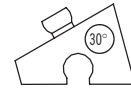
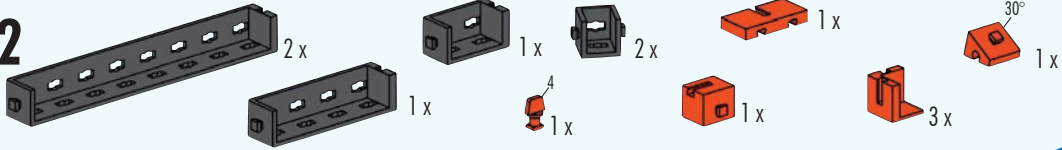


- Nabenmutter sehr fest anziehen
- Fasten the hub nut very tightly
- Serrer l'écrou du moyeu très serré
- Draai de naafmoer goed vast
- Atornillar las tuercas laterales muy fuertes
- Apertar bem as porcas de cubo
- Stringere saldamente il dado del mozzo
- Затянуть гайки ступиц
- 拧紧

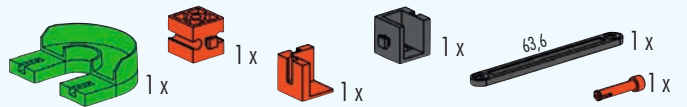


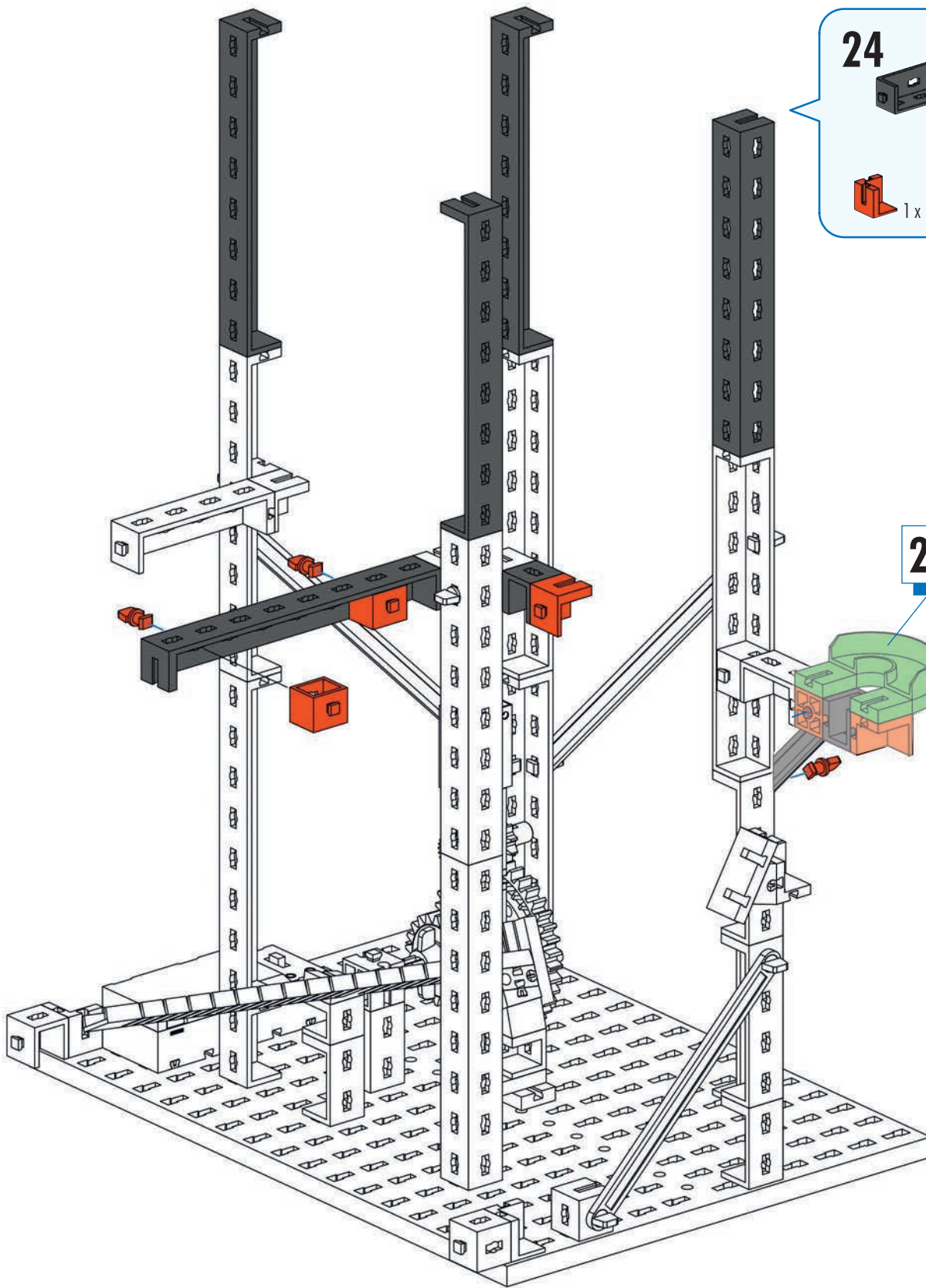


22



23

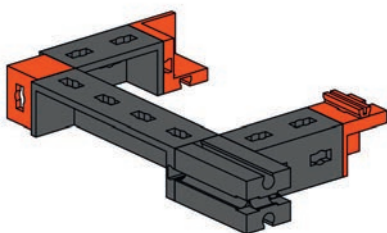




24

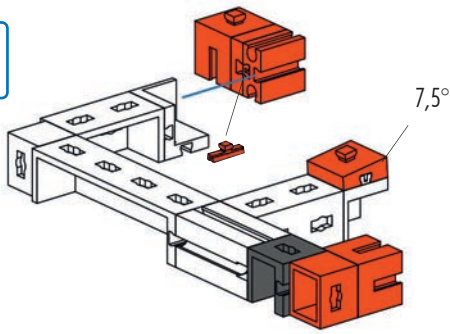
- 5x [Black 1x5 Technic Beam]
- 1x [Black Technic Connector]
- 2x [Red Technic Connector]
- 1x [Red Technic Connector]
- 3x [Red Technic Pin]

23



25

- 1x [Black Technic Connector]
- 1x [Black 1x5 Technic Beam]
- 2x [Black Technic Connector]
- 2x [Red Technic Connector]
- 1x [Red Technic Connector]
- 1x [Red Technic Pin]



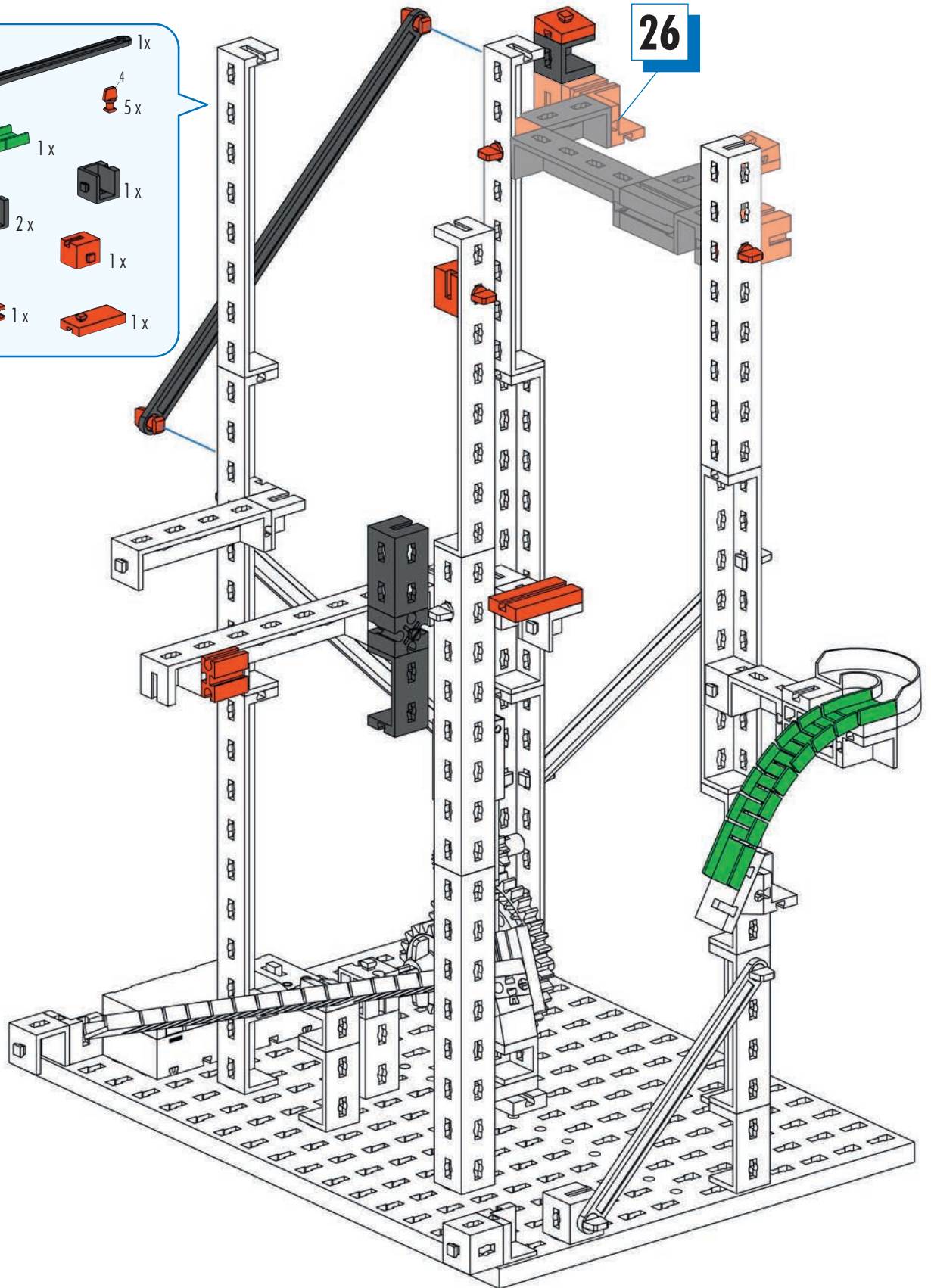
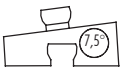
26

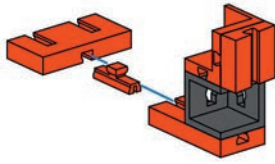
- 1x (grey connector)
- 1x (orange connector)
- 2x (orange L-shaped connector)
- 1x (orange connector)
- 1x (orange connector)
- 1x (orange connector)
- 1x (orange 7.5 degree angled connector)



27

- 1x (black axle, 169.6)
- 4 (orange pins)
- 5x (orange pins)
- 1x (green Technic beam)
- 1x (grey connector)
- 1x (grey connector)
- 2x (grey connector)
- 1x (orange connector)
- 1x (orange connector)
- 1x (orange 7.5 degree angled connector)
- 1x (orange connector)
- 1x (orange connector)





28



1x



1x



1x



1x

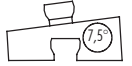


1x



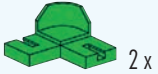
7,5°

1x



7,5°

29



2x



2x



2x



1x



3x



6x



1x



1x



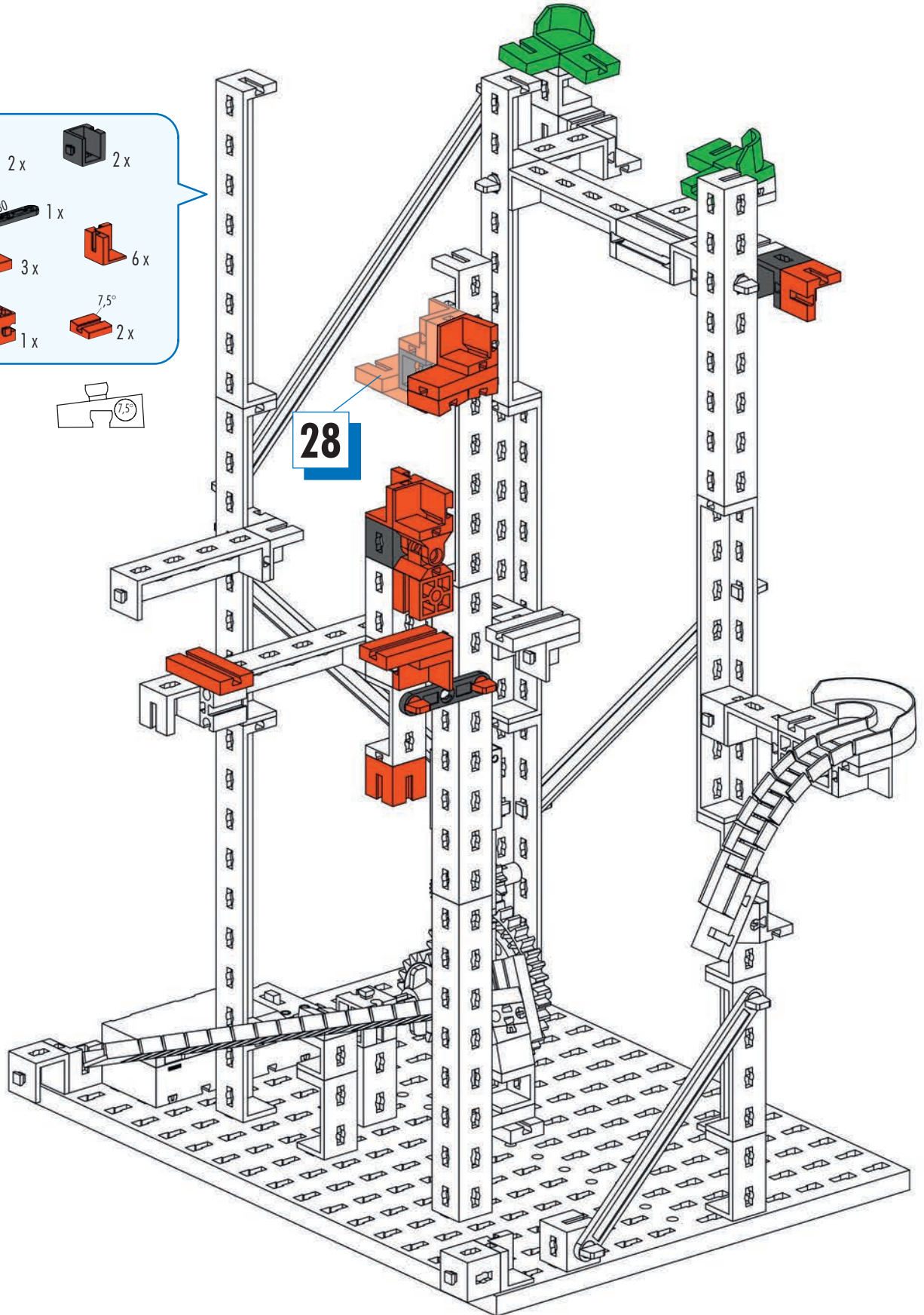
7,5°

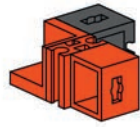
2x



7,5°

28





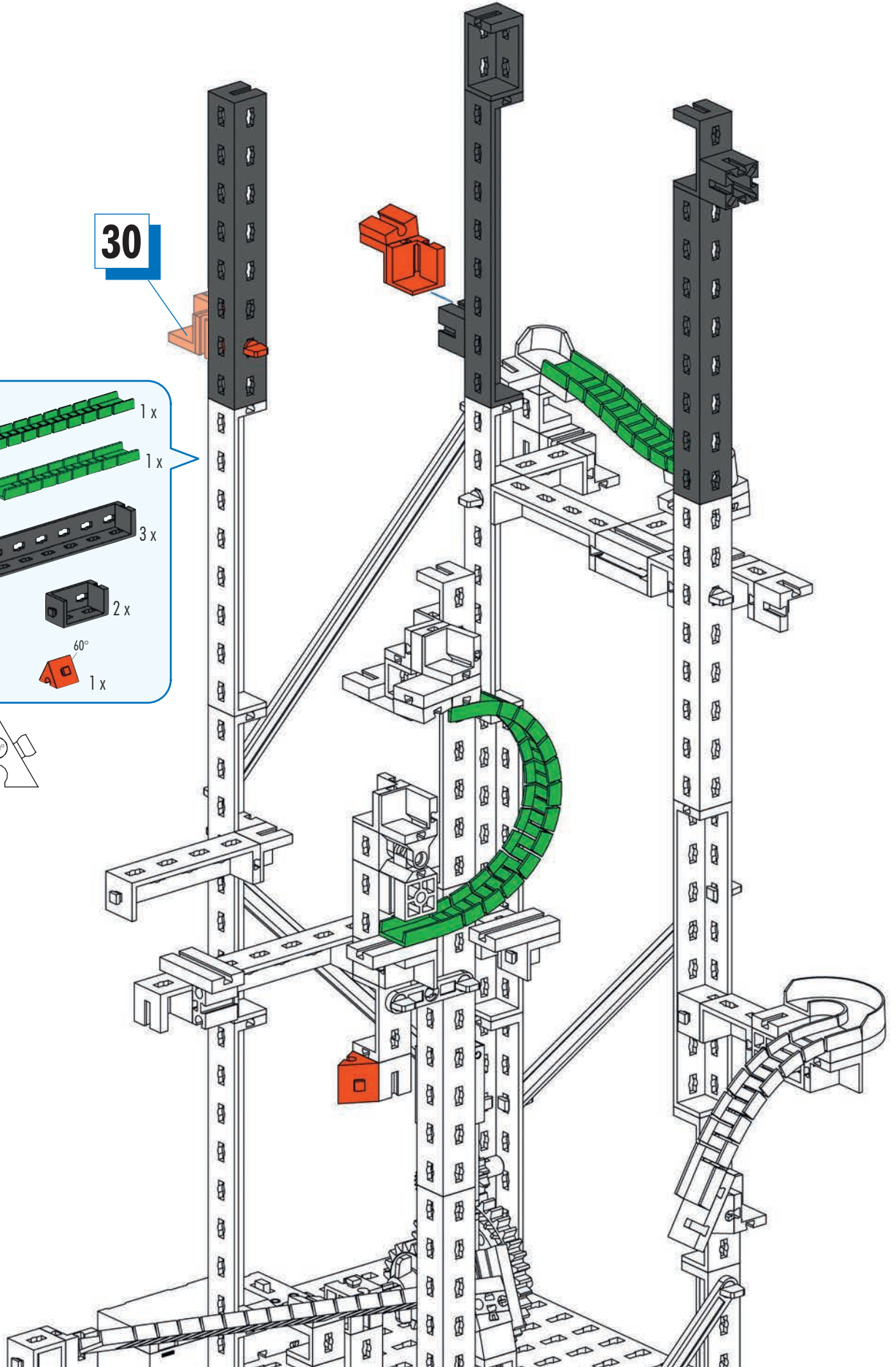
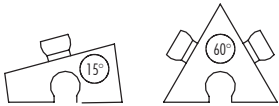
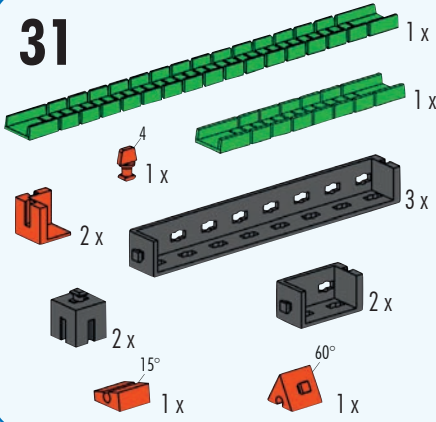
30

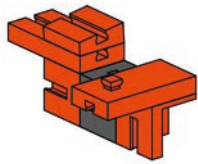


30



31



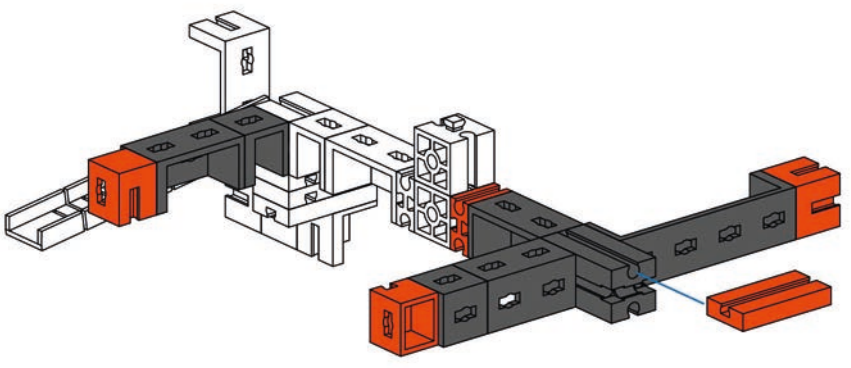
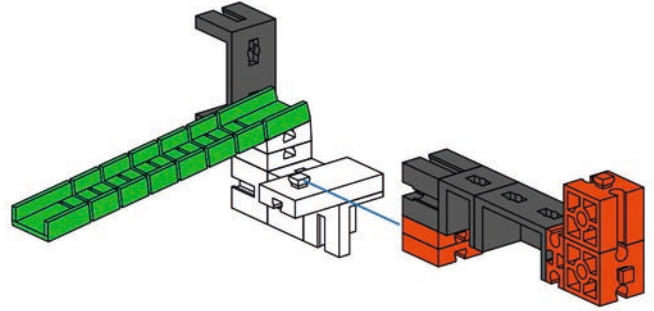


32 1x 2x 2x 2x 1x

7.5°



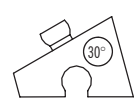
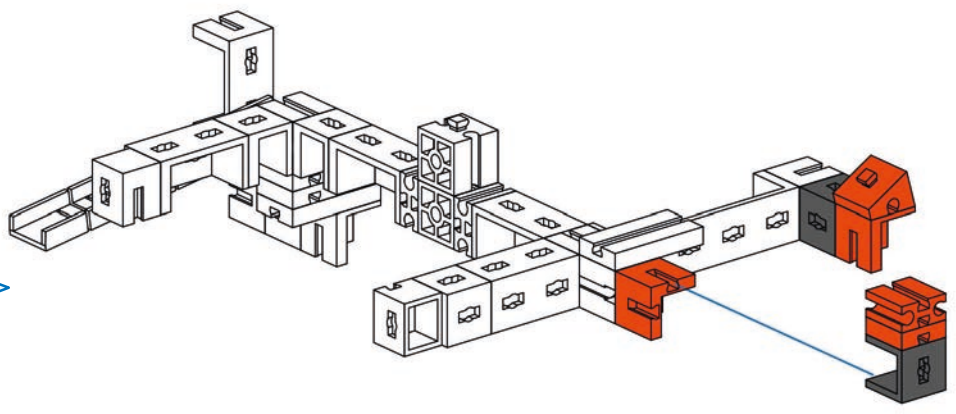
33 1x 2x 1x 1x 1x 2x 2x

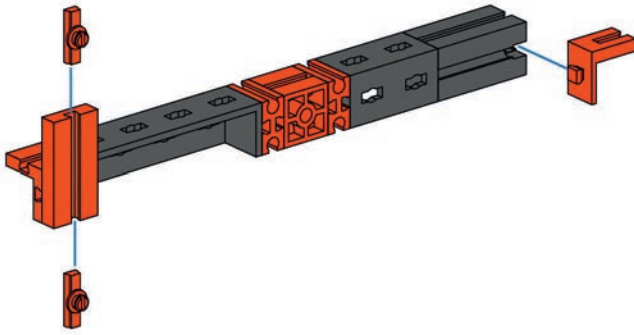


34 1x 3x 2x 1x 2x 1x 1x 1x

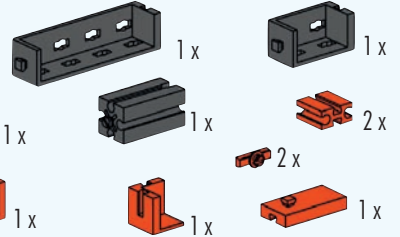
35 2x 1x 2x 1x 1x

30°

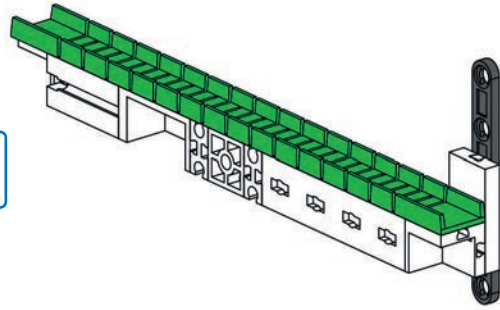
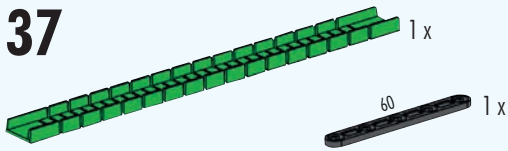




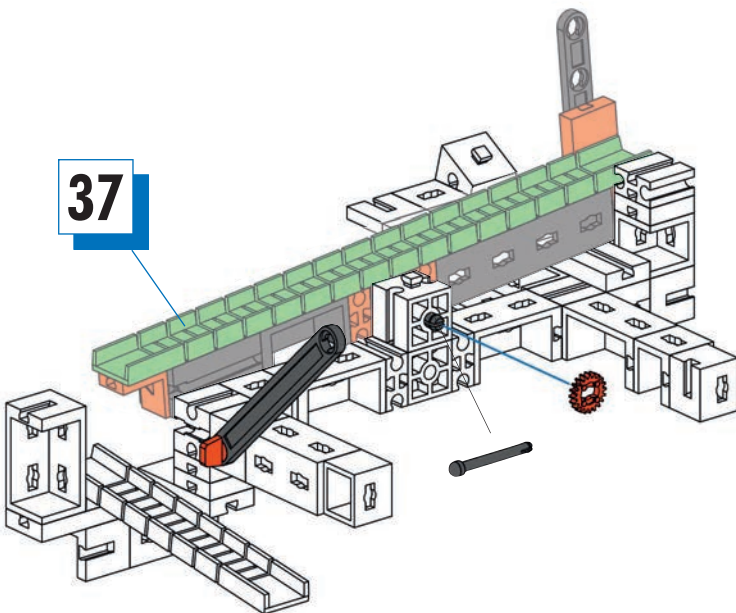
36



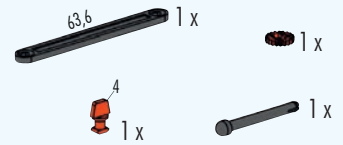
37



37



38



39

169,6 2x

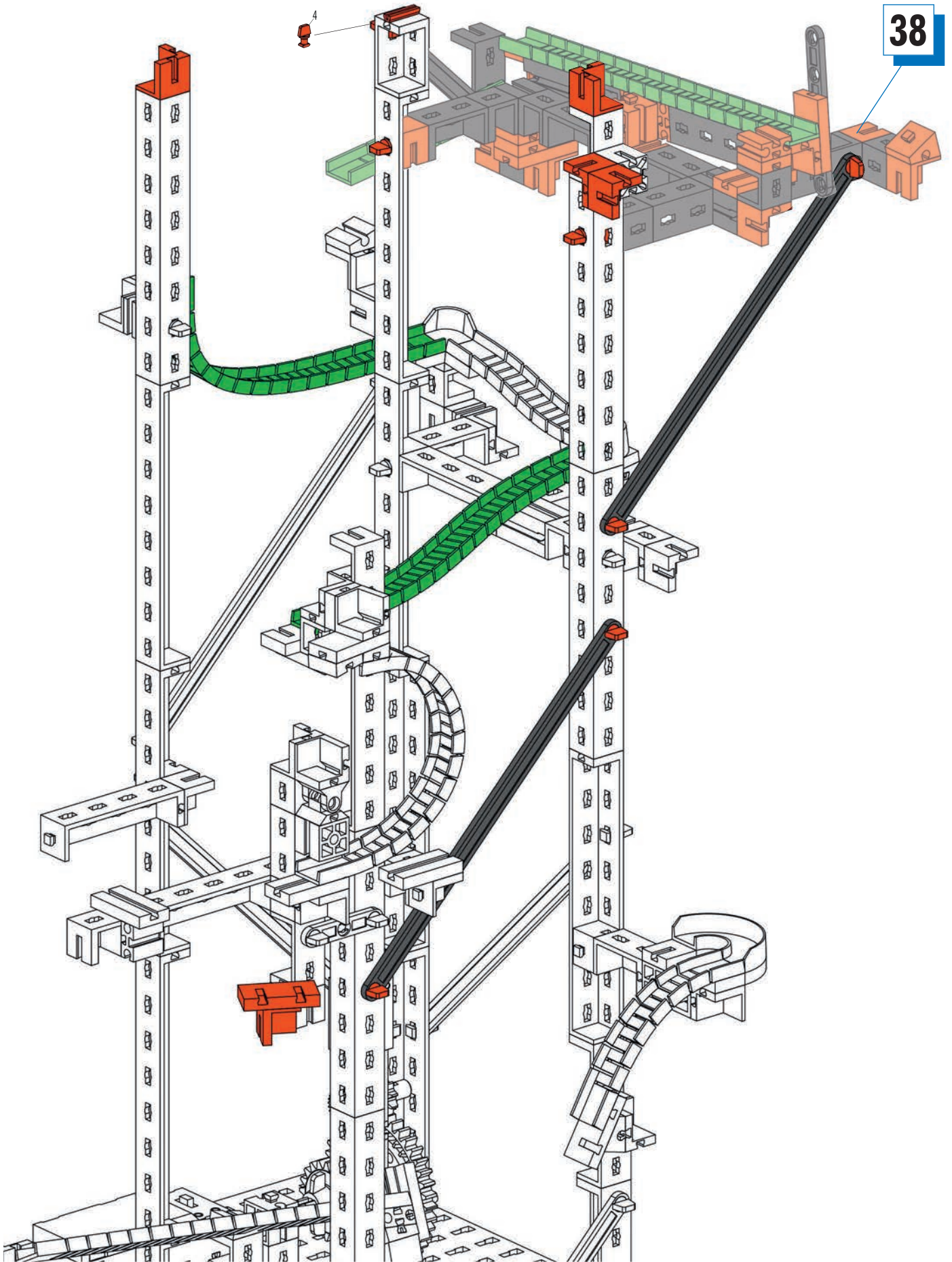
2x

7x

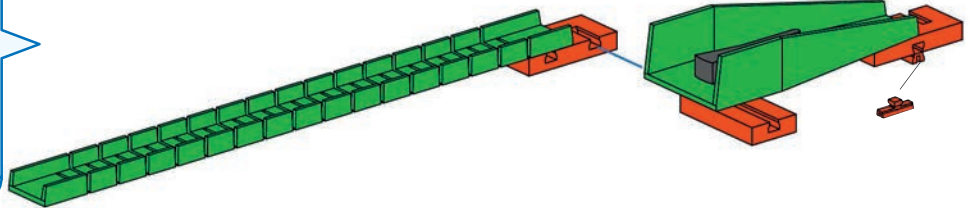
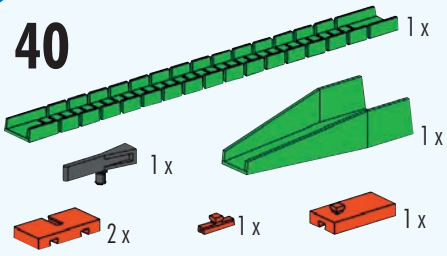
5x

1x

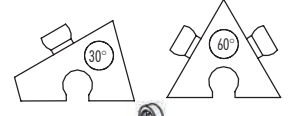
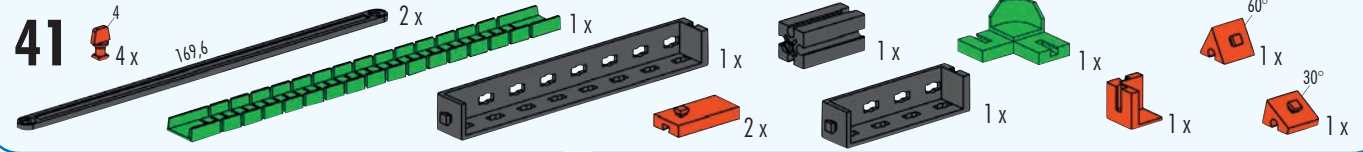
1x



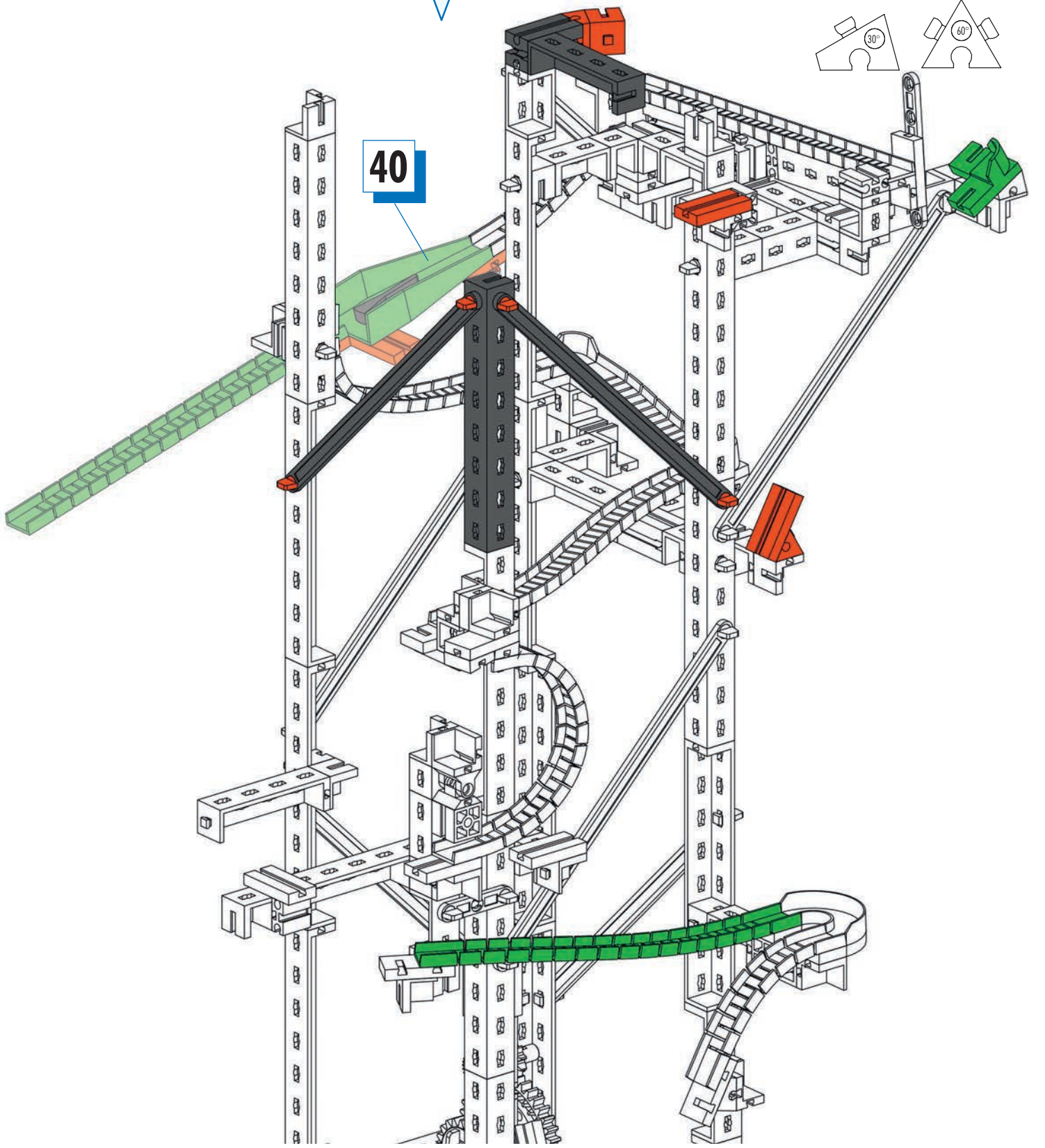
40








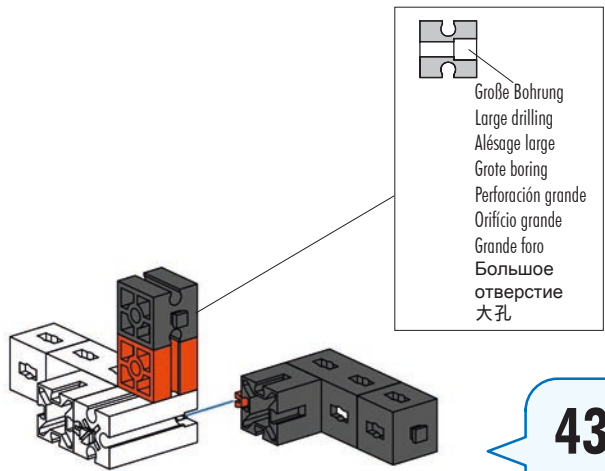
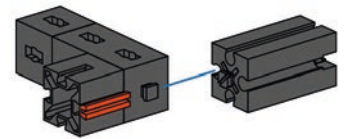
41









40

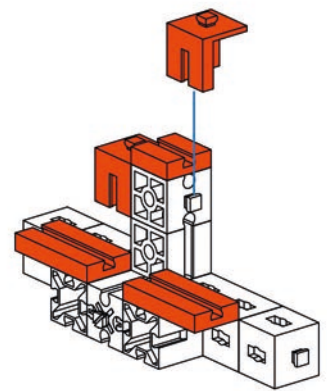



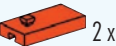

- 42**  1x  1x  1x  1x  1x

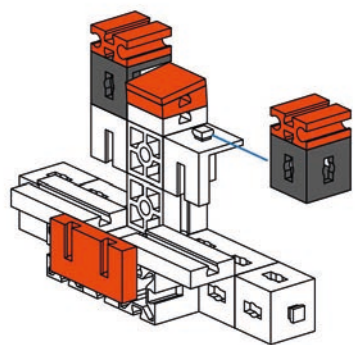








 Große Bohrung
 Large drilling
 Alésage large
 Grote boring
 Perforación grande
 Orificio grande
 Grande foro
 Большое отверстие
 大孔

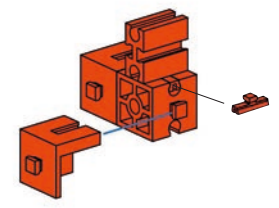
- 43**  1x  1x  1x  1x  1x







- 44**  2x  2x  1x

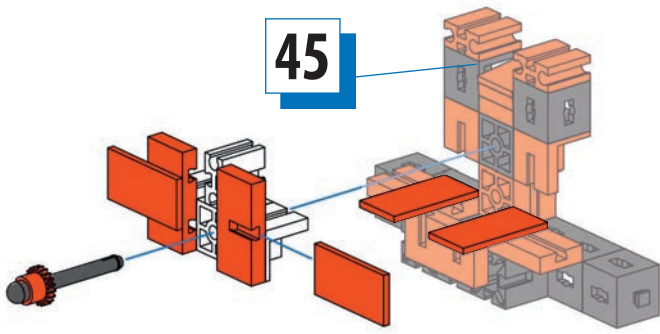


- 45**  2x  2x  1x  1x  1x

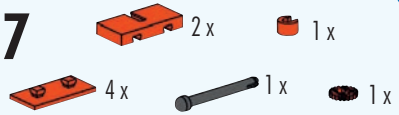


- 46**  1x  2x  1x  1x

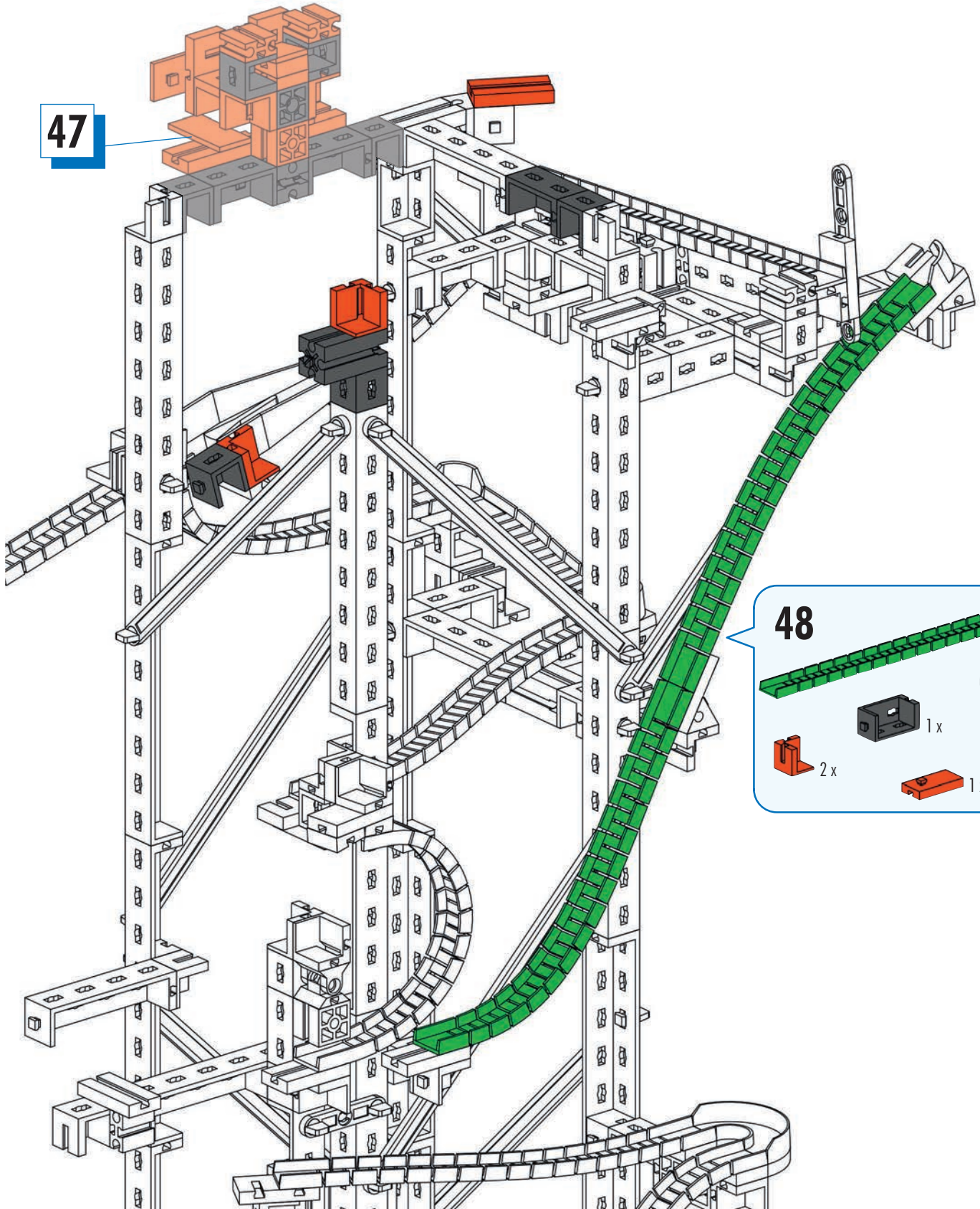
45



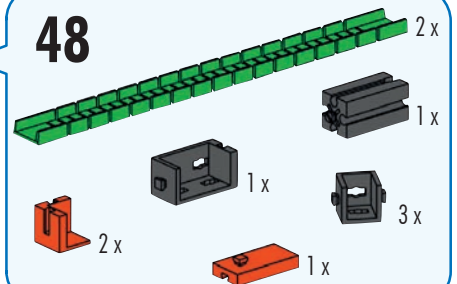
47



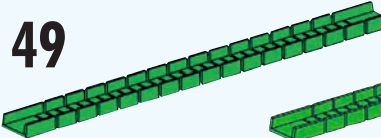
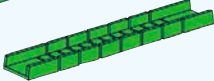




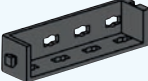



47

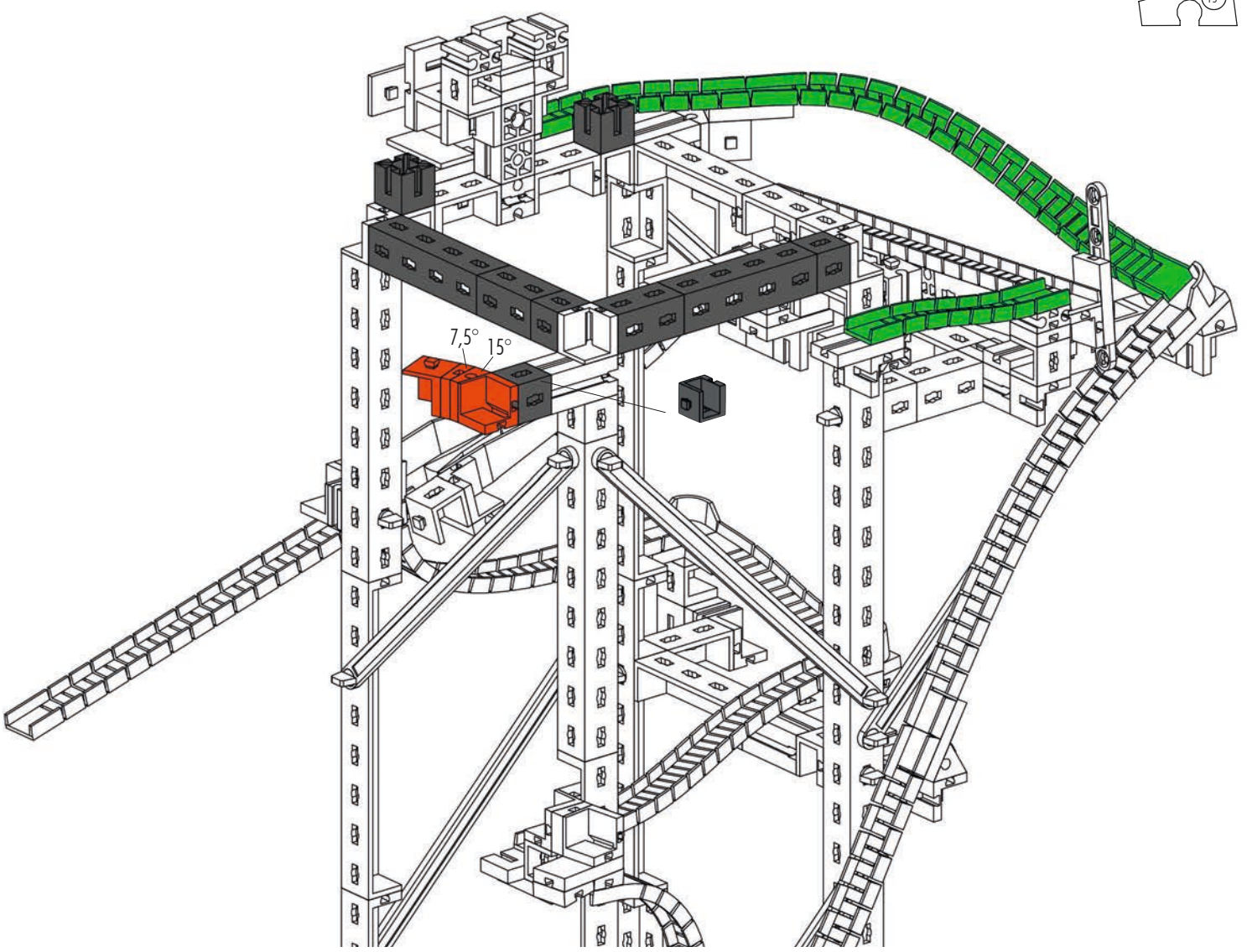
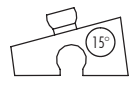


48



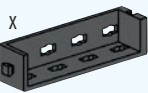









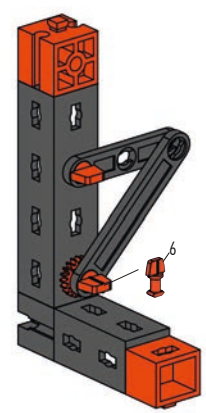
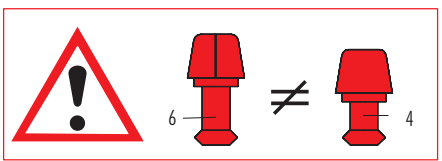
49

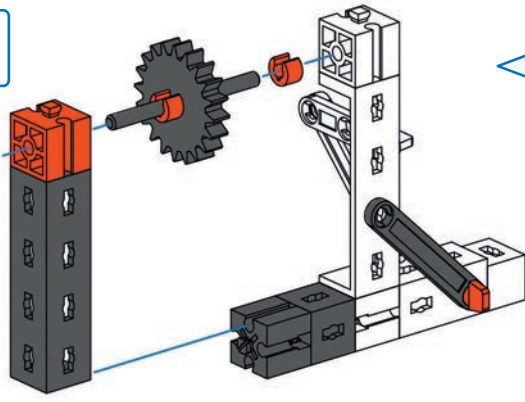
-  1x
-  2x
-  2x
-  1x
-  2x
-  2x
-  2x
-  2x
-  1x
-  1x



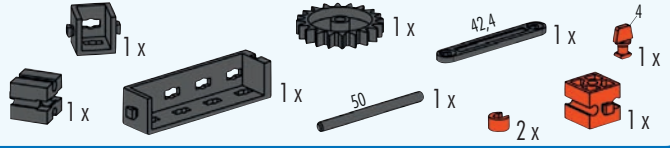
50

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



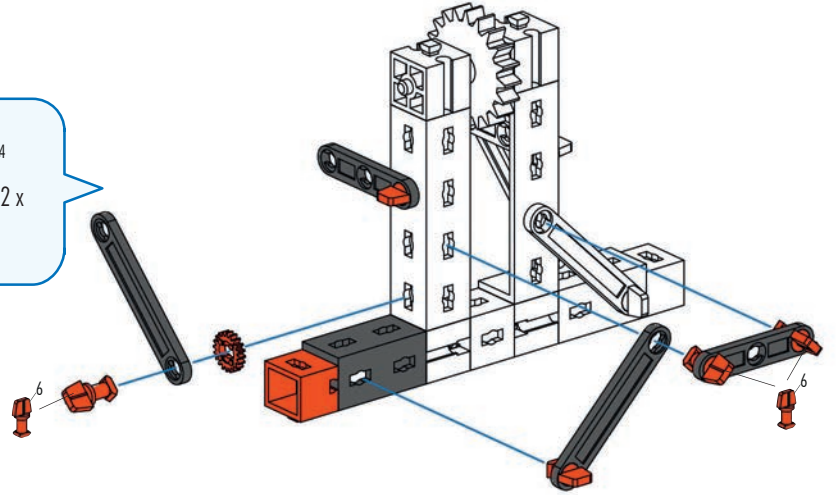
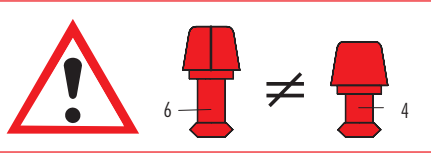
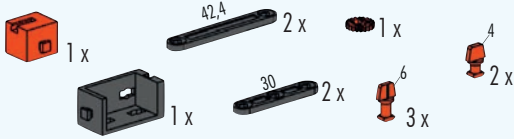


51



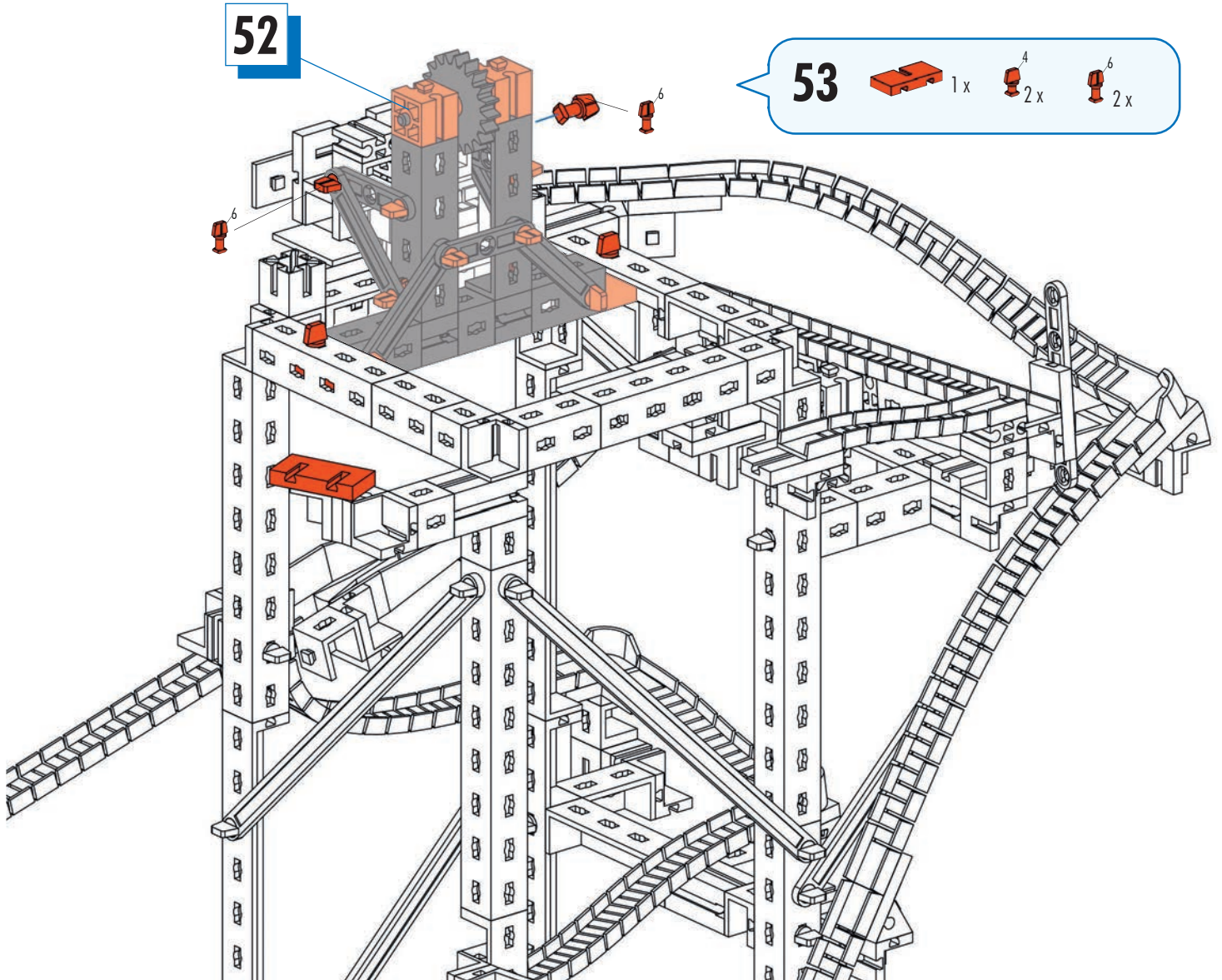
50 mm

52



52

53



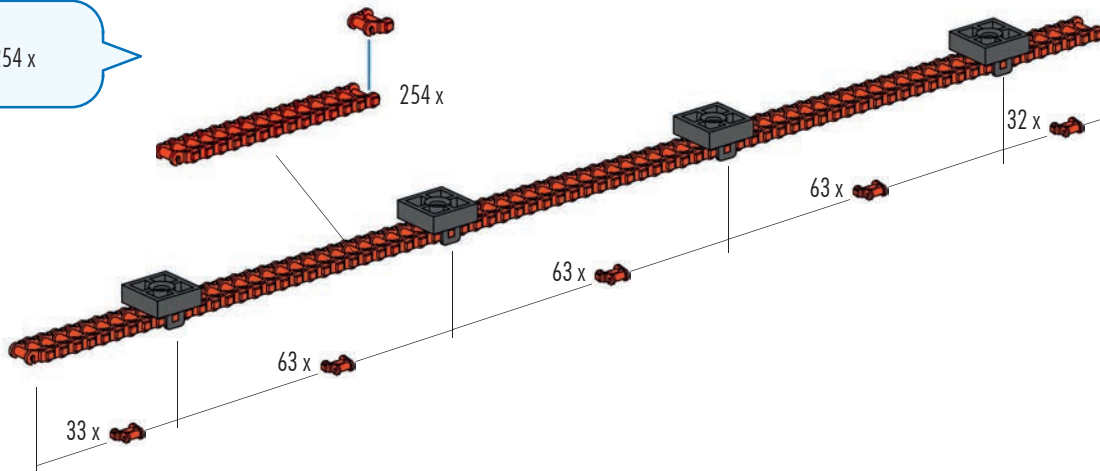
54



4 x

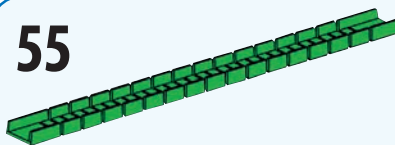


254 x

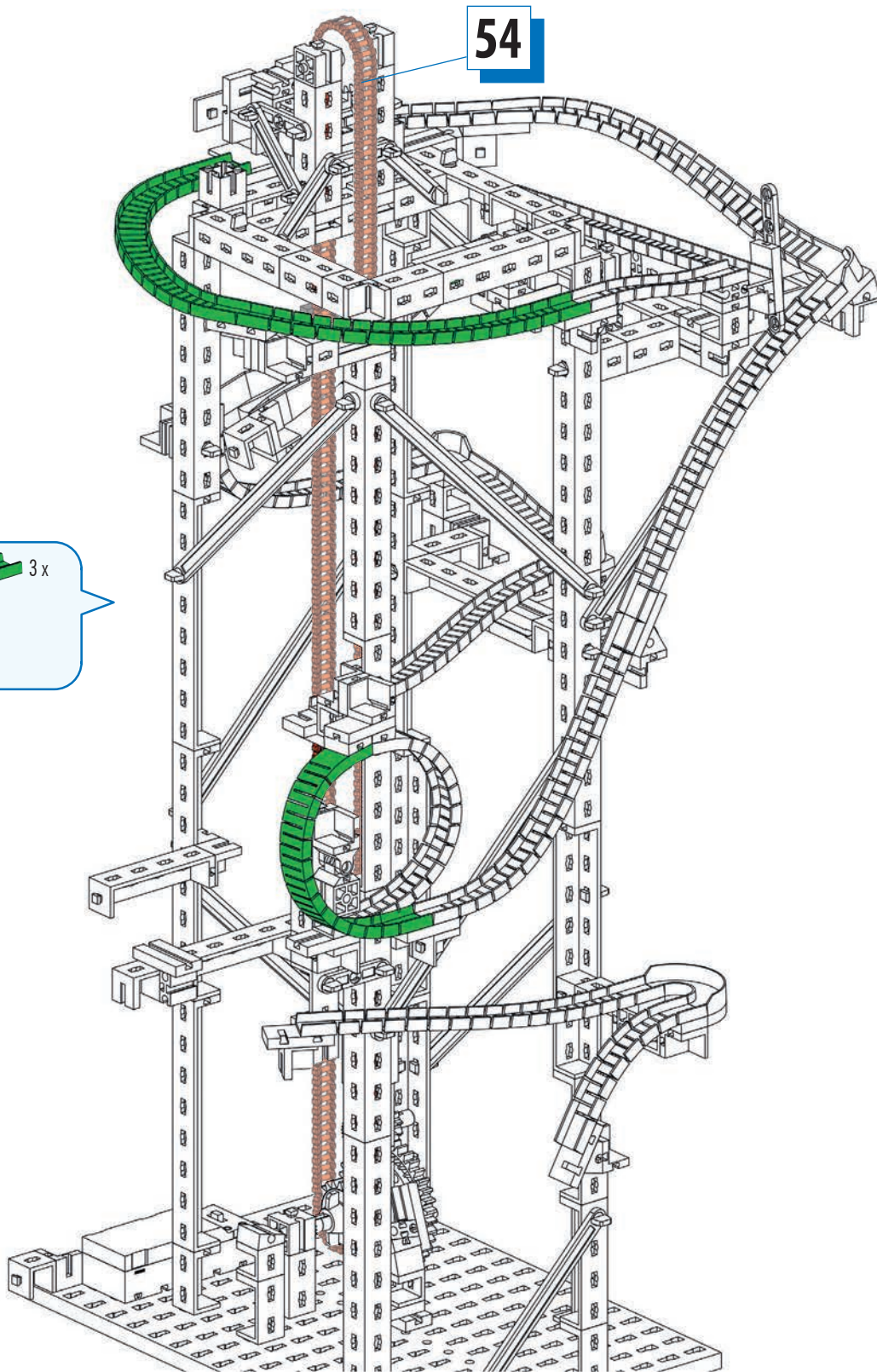


54

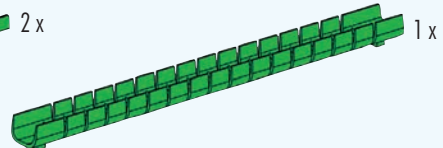
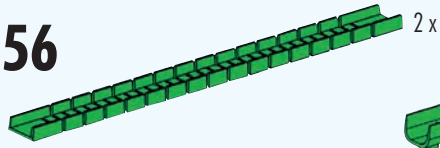
55



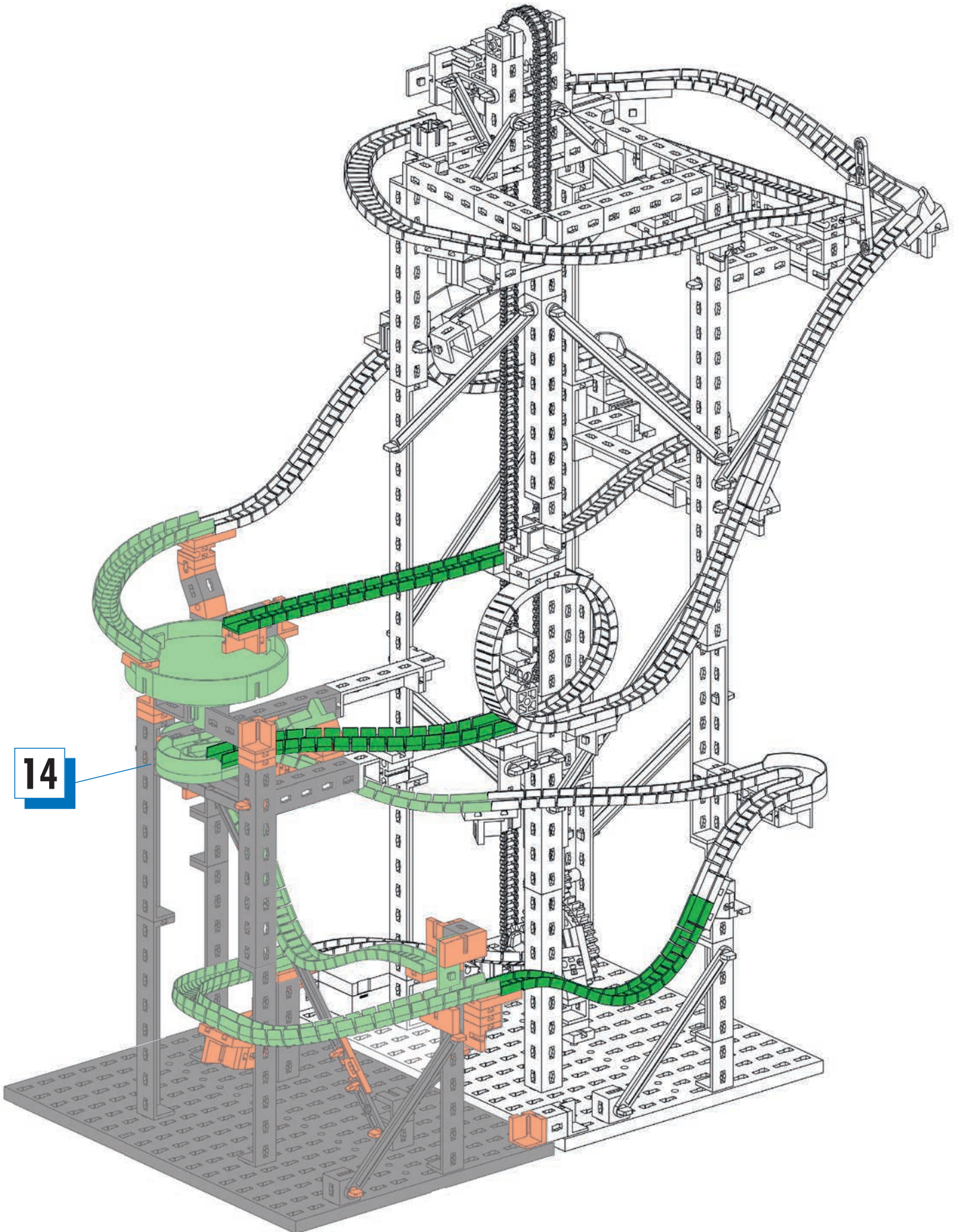
3 x

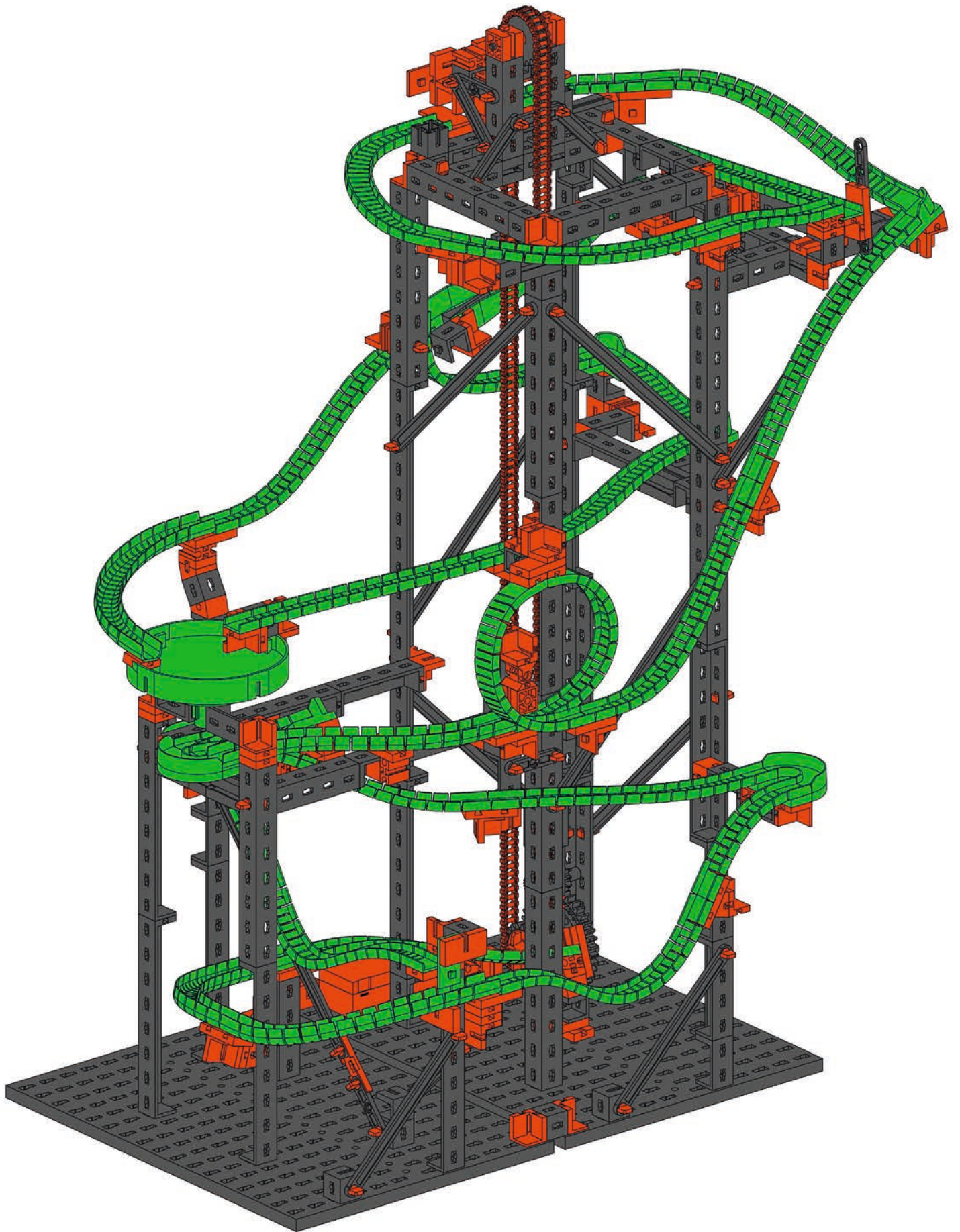


56



14



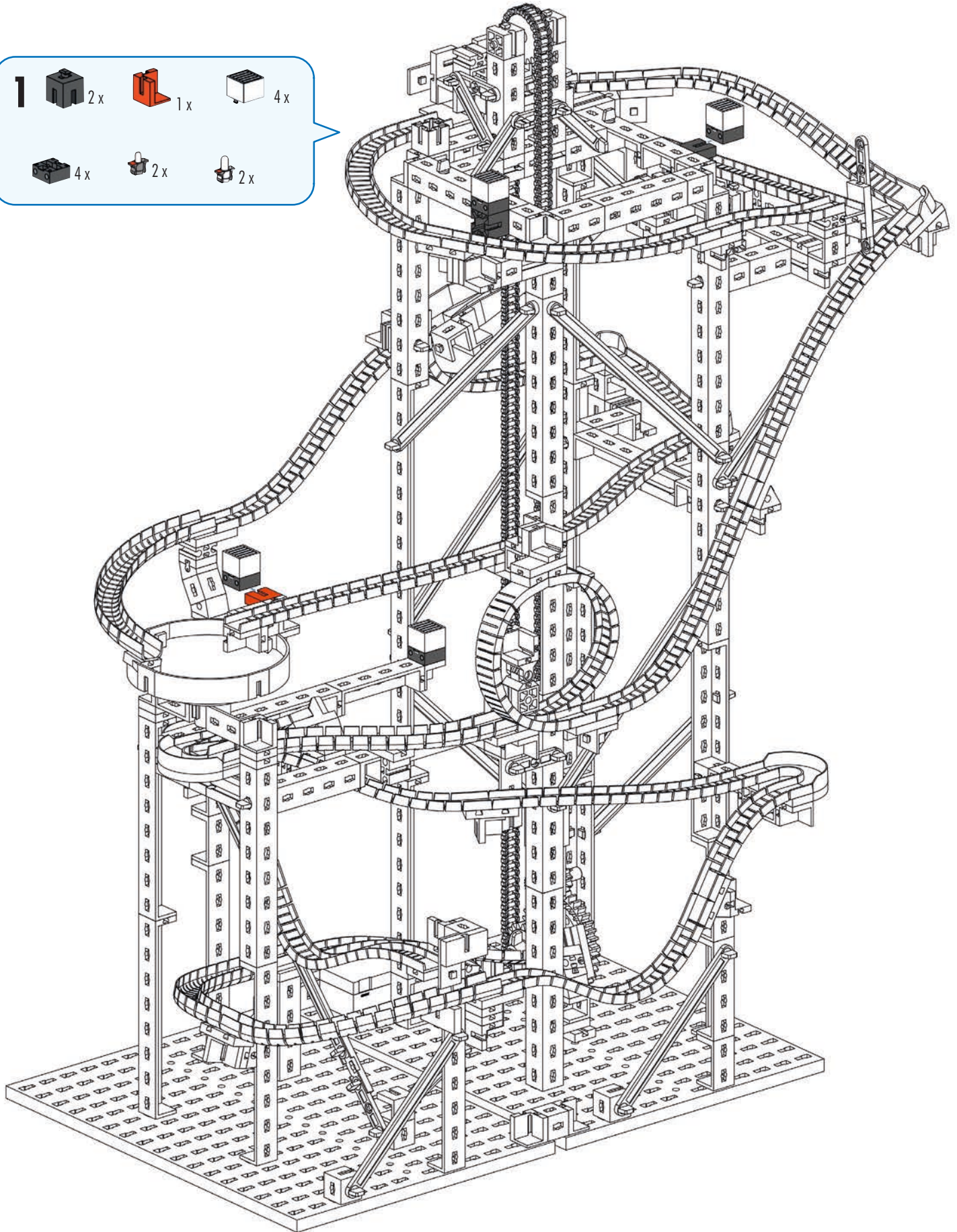
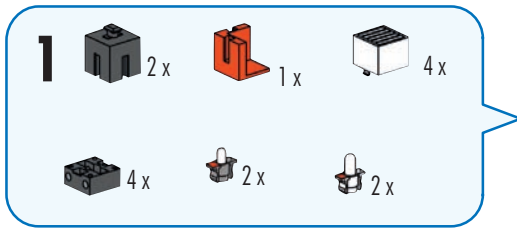


Beleuchtung
Lighting
Éclairage

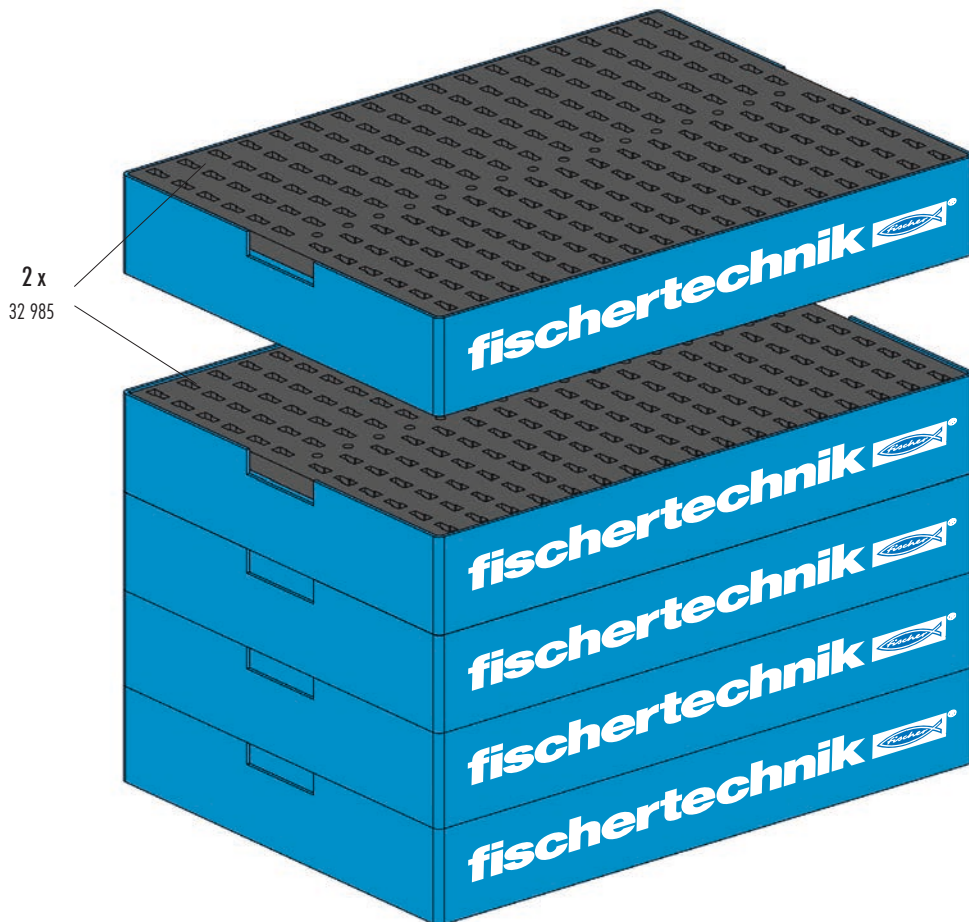
Verlichting
Iluminación
Iluminação

Illuminazione
Освещение
灯

LED Set
533 877



Empfohlene Aufbewahrung:	5 x Aufbewahrungssystem Art.-Nr. 94828
Recommended storage:	5 x storage system Art No. 94828
Stockage conseillé :	5 x système de stockage Art n° 94828
Bewaaradvies:	5 x bewaarsysteem art.-nr. 94828
Consejos para guardar el producto:	5 x almacenamiento Art. Nº 94828
Conservação recomendada:	5 x sistema de conservação n.º de art. 94828
Conservazione consigliata:	5 sistemi di conservazione, cod. prod. 94828
Рекомендуемое хранение:	5 x бокса для хранения. Арт.№ 94 828
推荐的保存方式 :	5个产品号为 94 828 的保存系统



Sortiervorschlag / Storage suggestion / Suggestion de classement / Sorteervoorstel / Propuesta de clasificación / Proposta de divisão / Proposta di sistemazione / Рекомендации по сортировке / 保存系统的分类建议:

www.fischertechnik.de/Sortiervorschläge



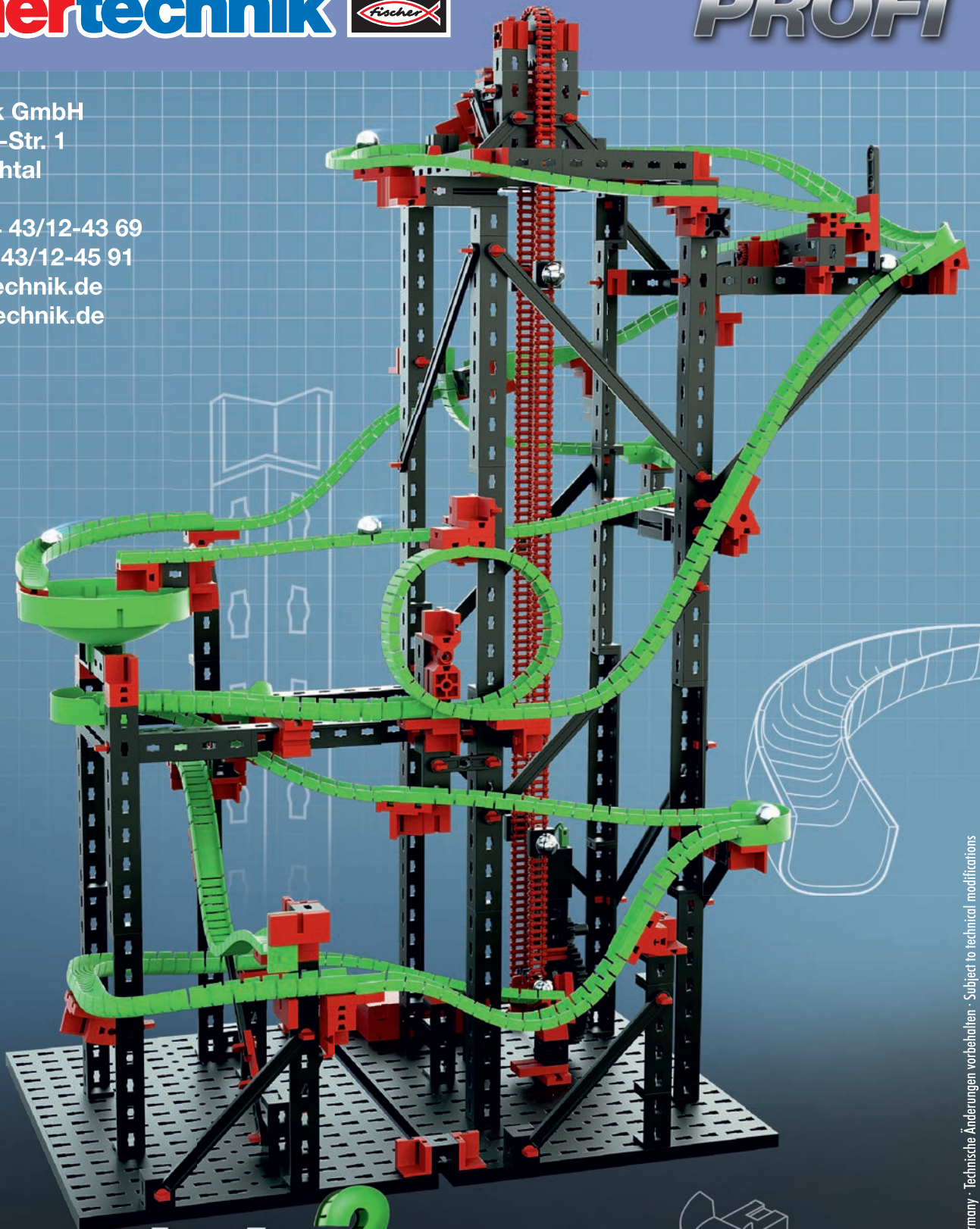
Hinweise zum Umweltschutz / Instructions for Environmental Protection / Remarques de protection de l'environnement / Bescherming van het milieu / Notas con respecto a la protección del medio ambiente / Instruções para a proteção do meio ambiente / Indicazioni sulla tutela ambientale / Указания по охране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

www.fischertechnik.de/environment

fischertechnik 

PROFI

fischertechnik GmbH
Klaus-Fischer-Str. 1
72178 Waldachtal
Germany
Phone: +49 74 43/12-43 69
Fax: +49 74 43/12-45 91
info@fischertechnik.de
www.fischertechnik.de



Dynamic L 2
Physics I 2.0

7 MODELS

