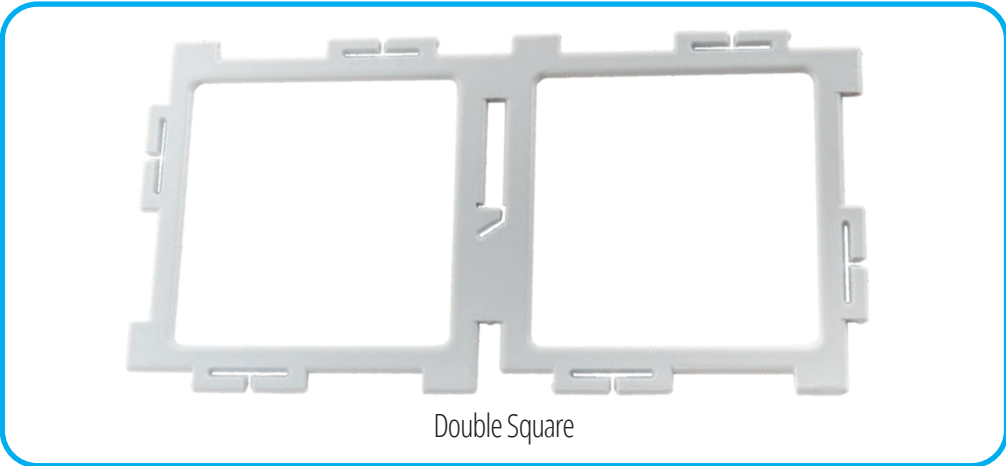
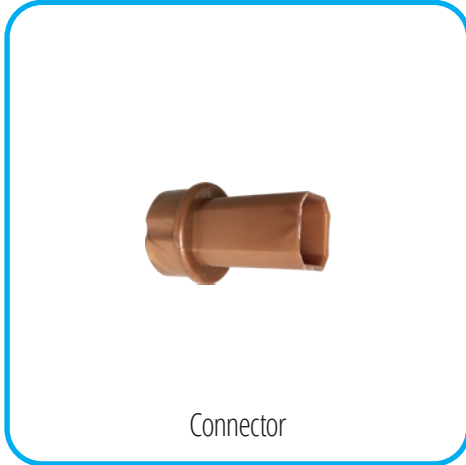
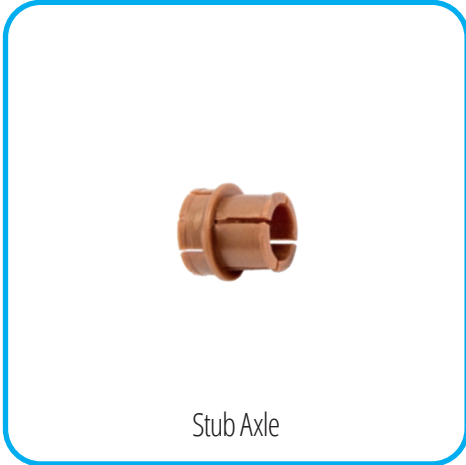
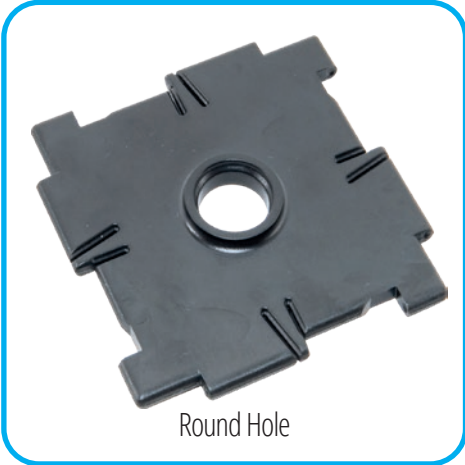
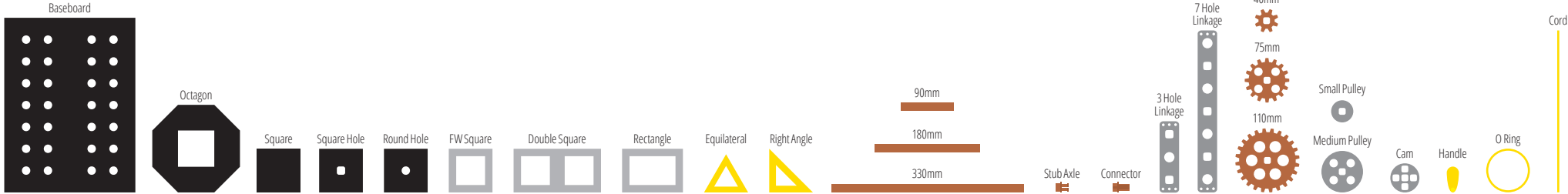


# Component Guide



# Cable Car

1



1

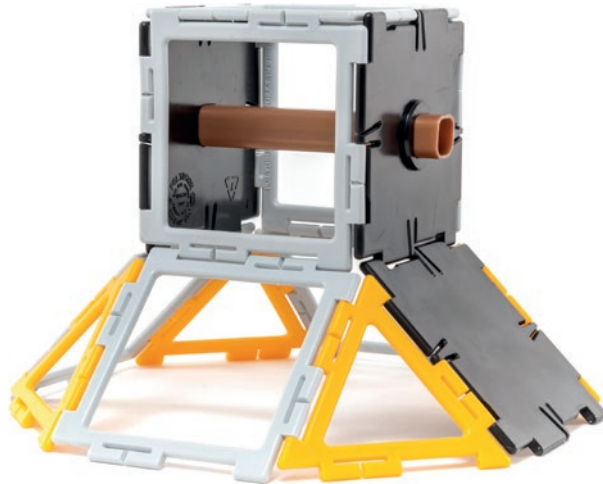


4



5

2



4



6



1

Square Hole



2

90mm

1

3



2

Medium Pulley



2

Connector

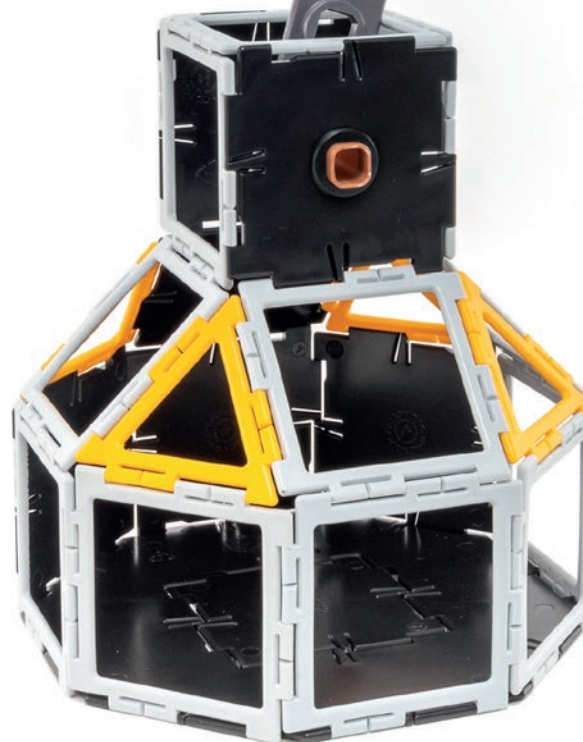
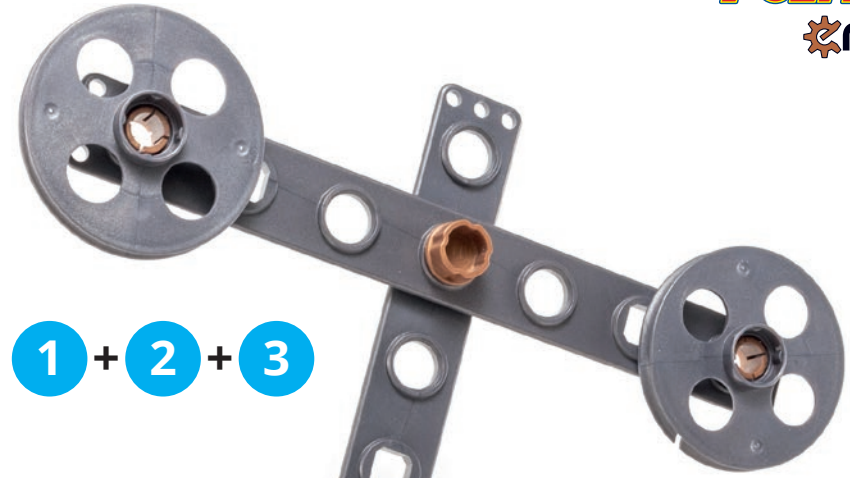


1

Stub Axle

2

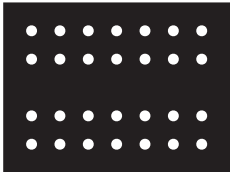
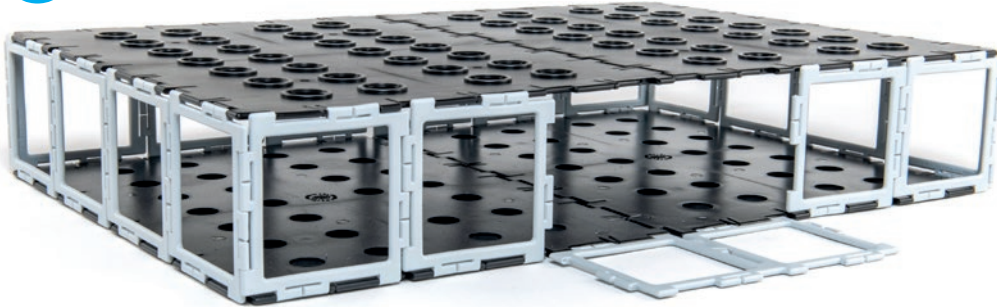
1 + 2 + 3





# Big Gear Toy 1

1



4

Double Square

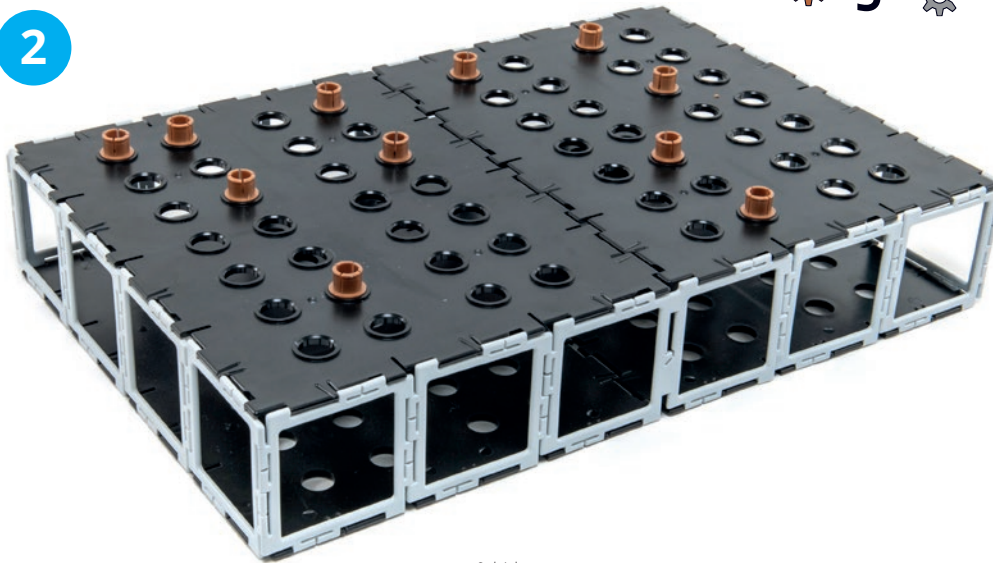


2



16

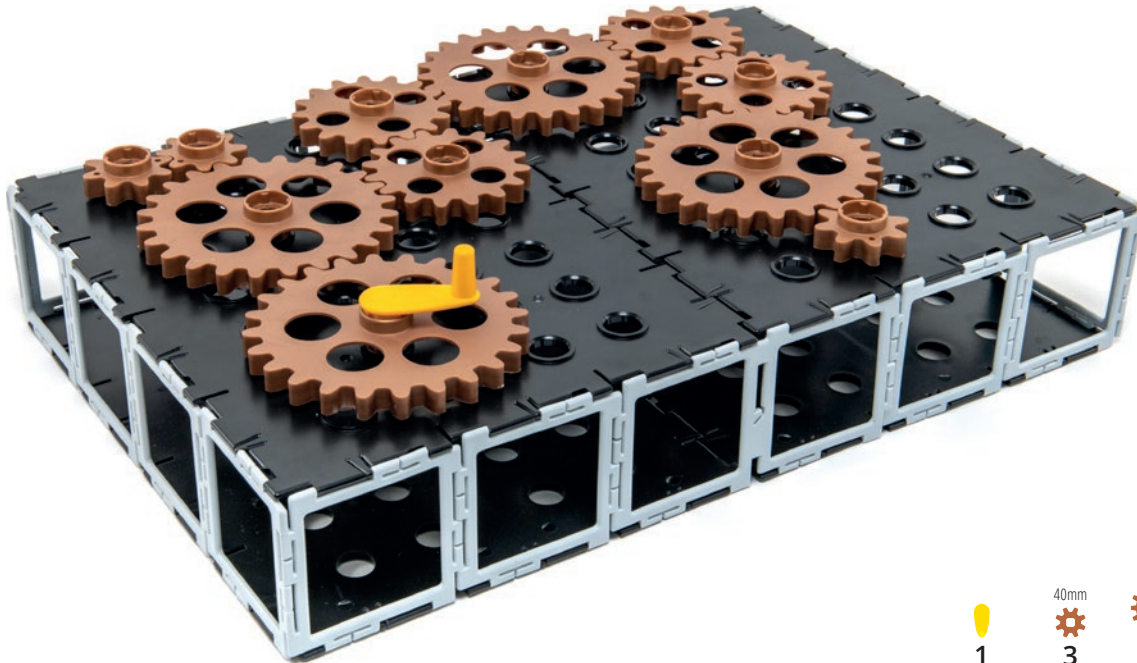
2



Stub Axle

11

3



1



3



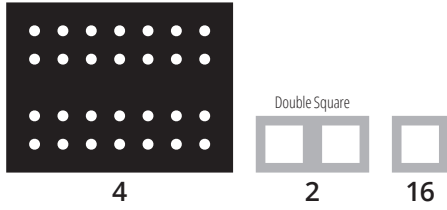
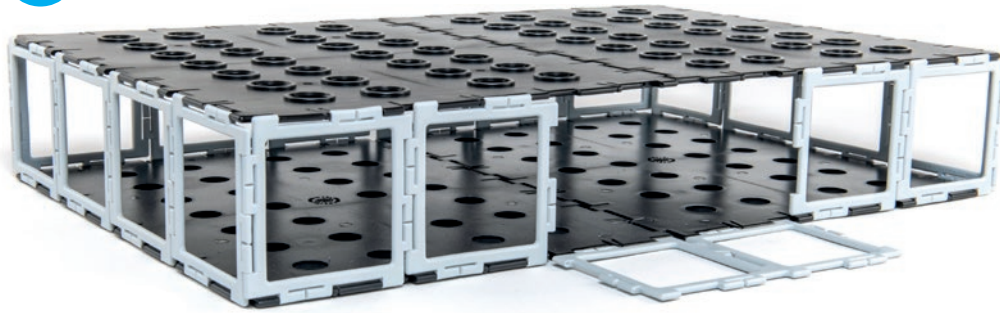
4



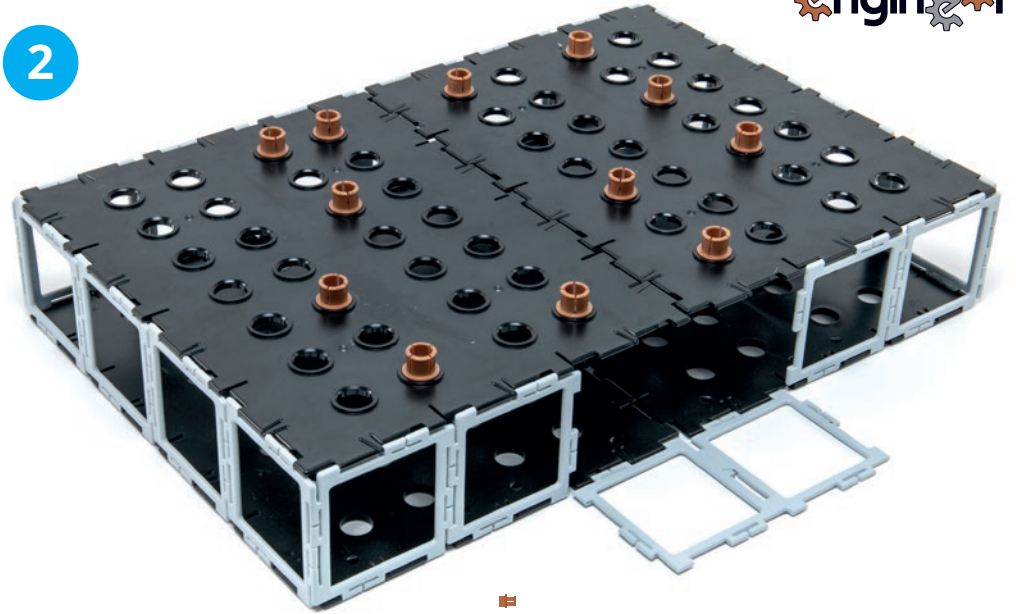
4

# Big Gear Toy 2

1



2

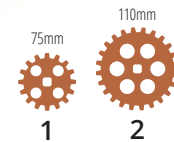


12

3



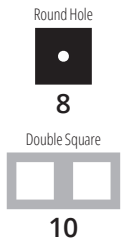
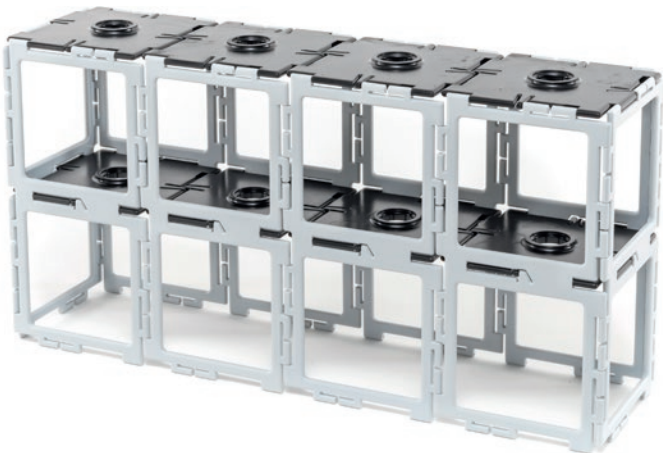
4





# Four Cylinder Engine

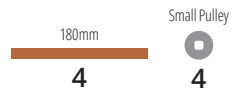
1



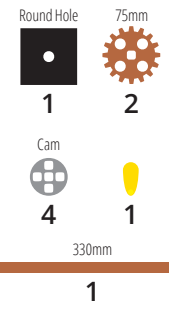
2



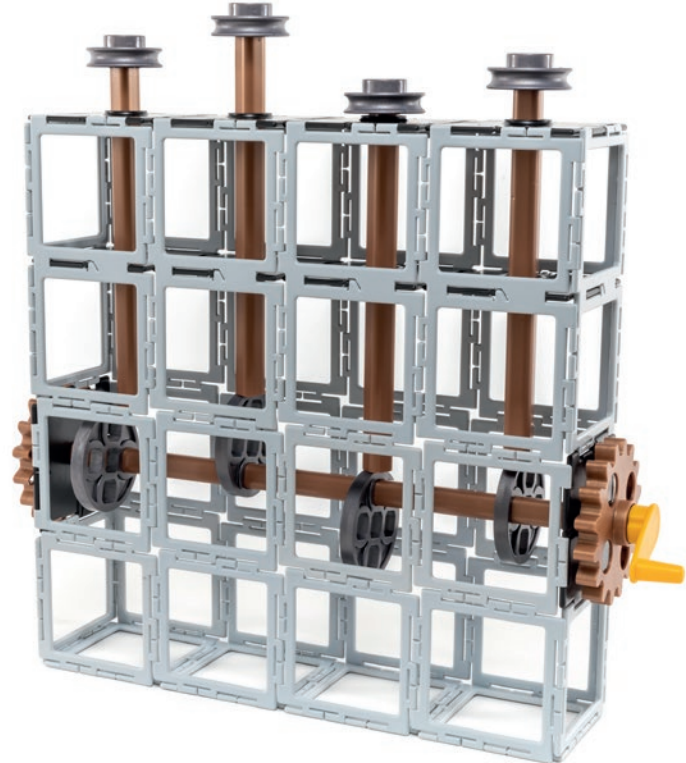
3



4

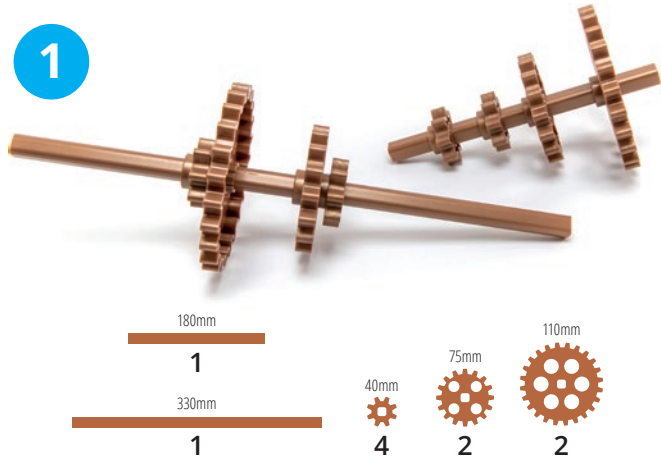


2  
+  
3  
+  
4

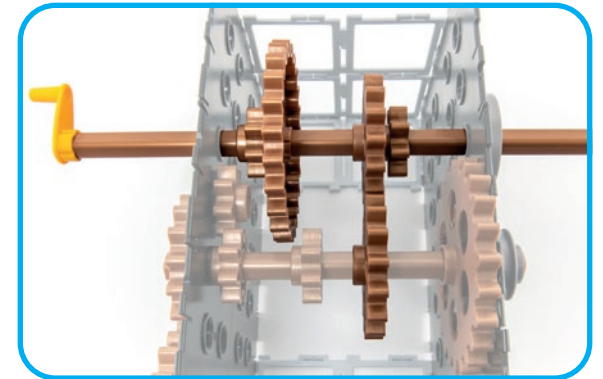
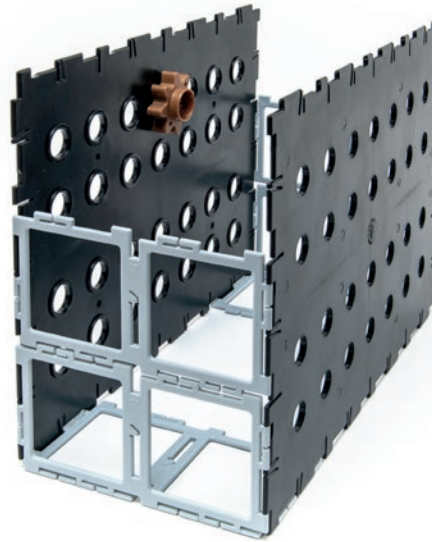
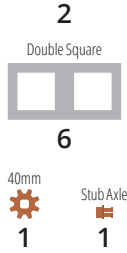
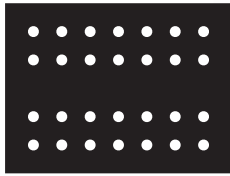


# Gearbox

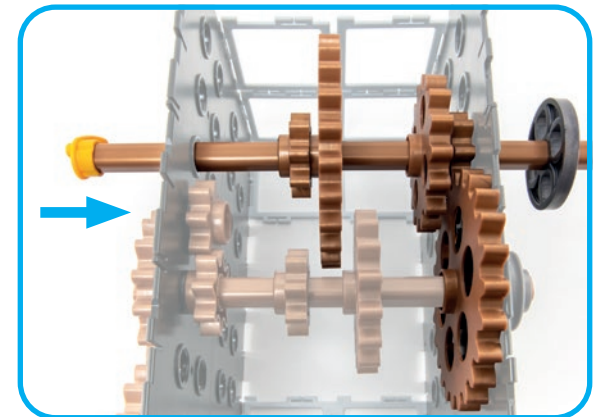
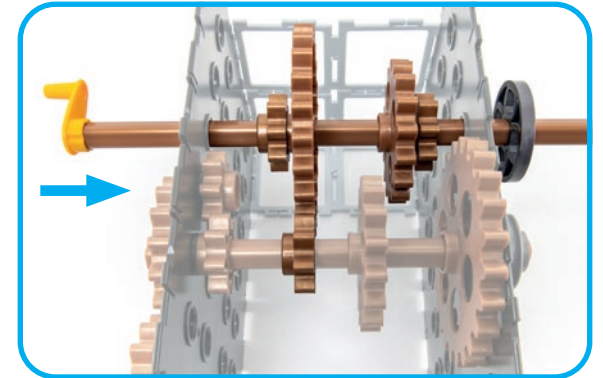
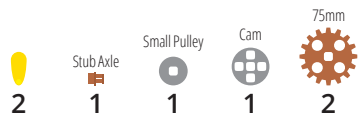
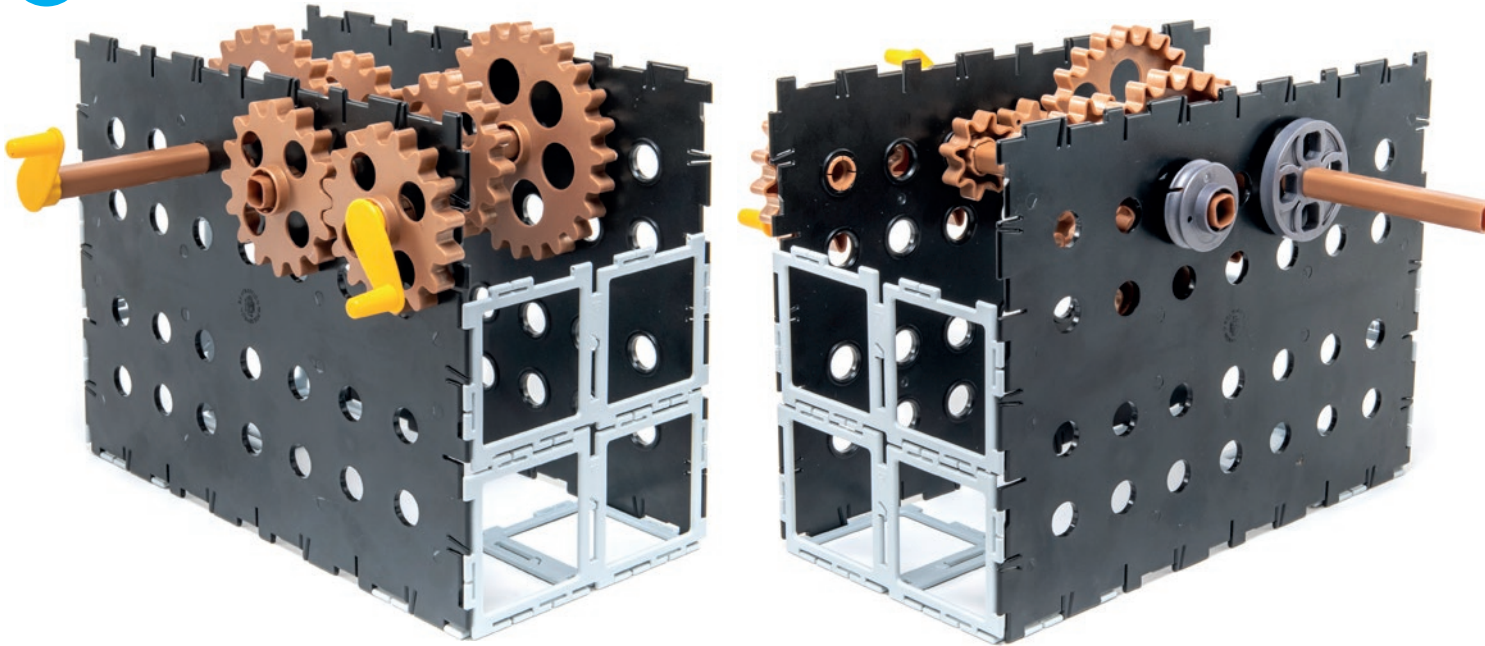
1



2



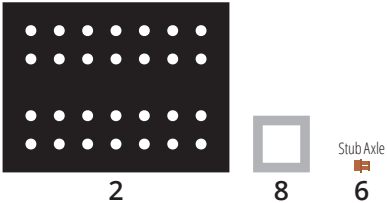
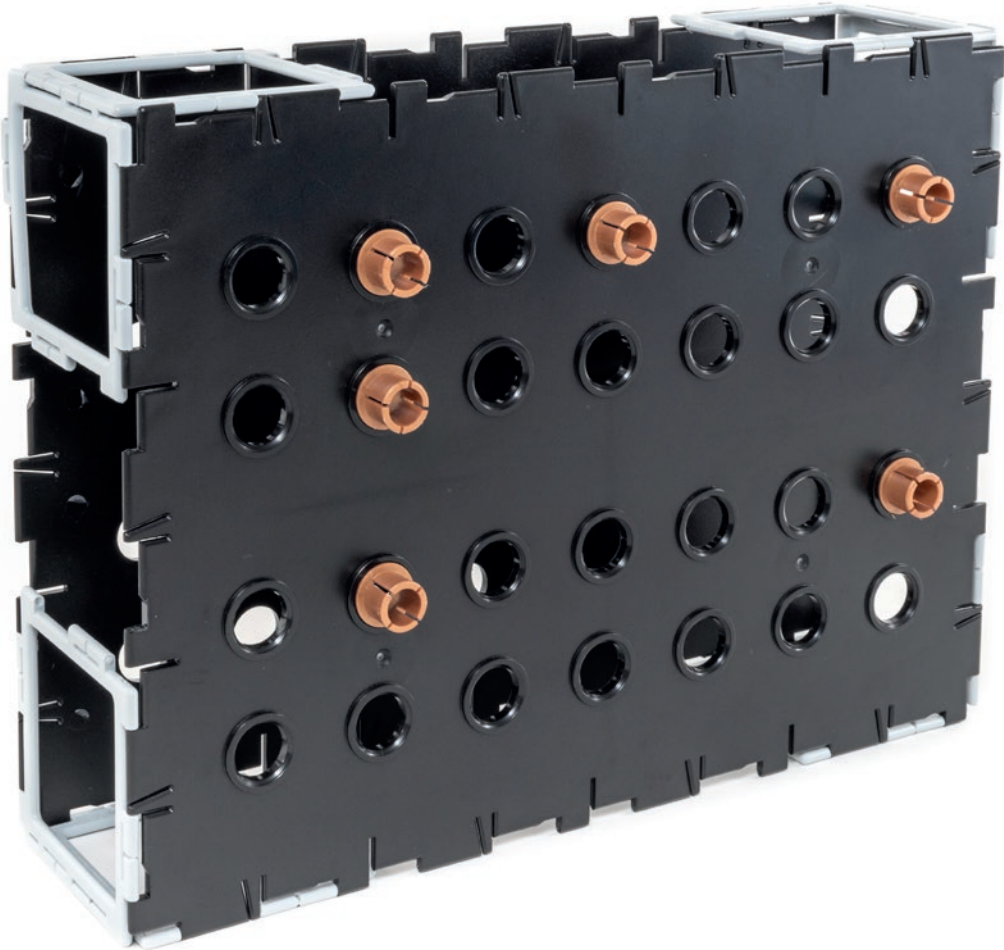
3



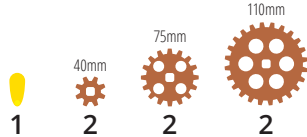
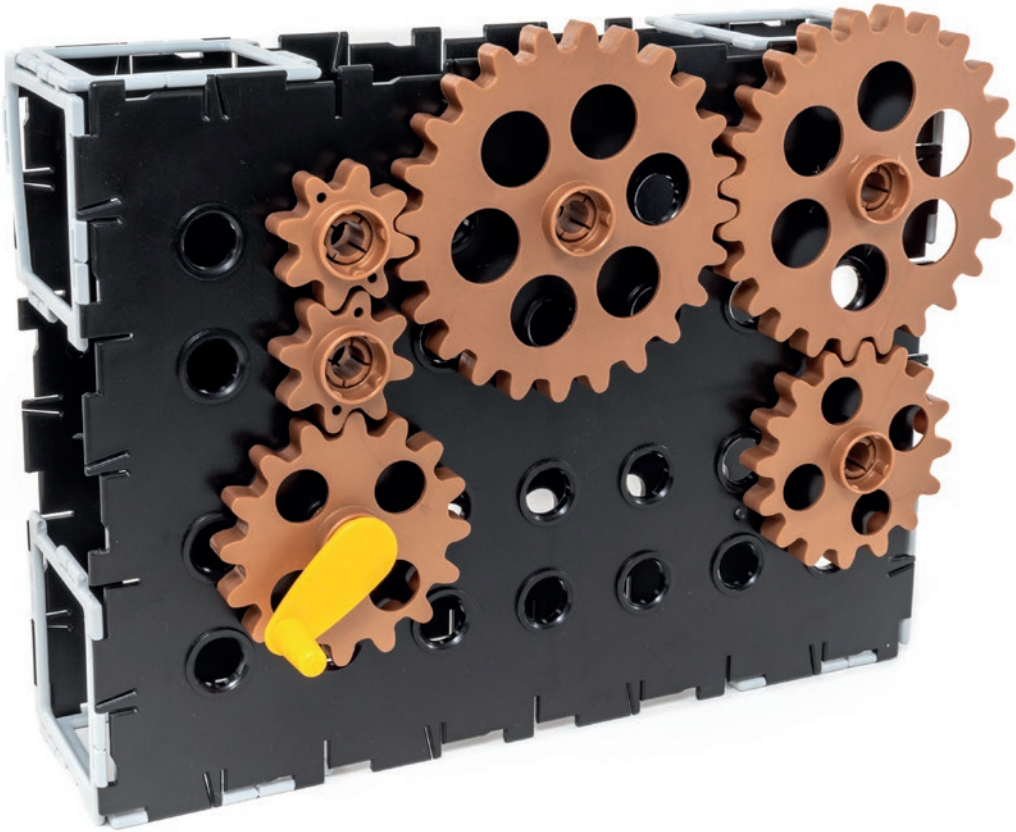


# Gear Toy 1

1

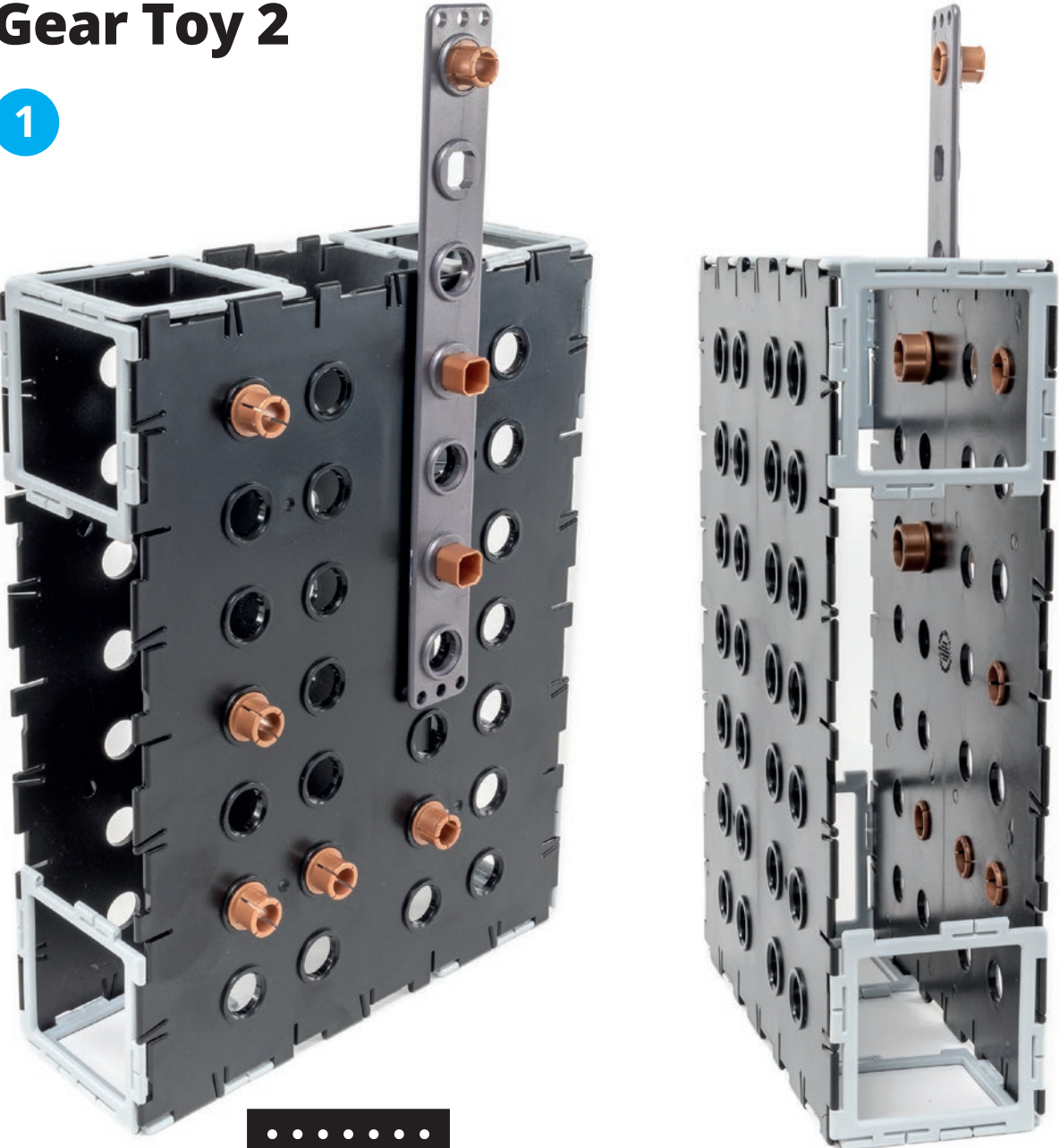


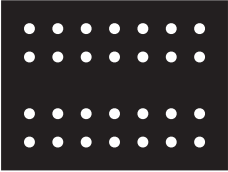
2





# Gear Toy 2


1




- 

2
- 

8
- 


Stub Axle  
6
- 


Connector  
2
- 


1


2





- 


1
- 

1
- 

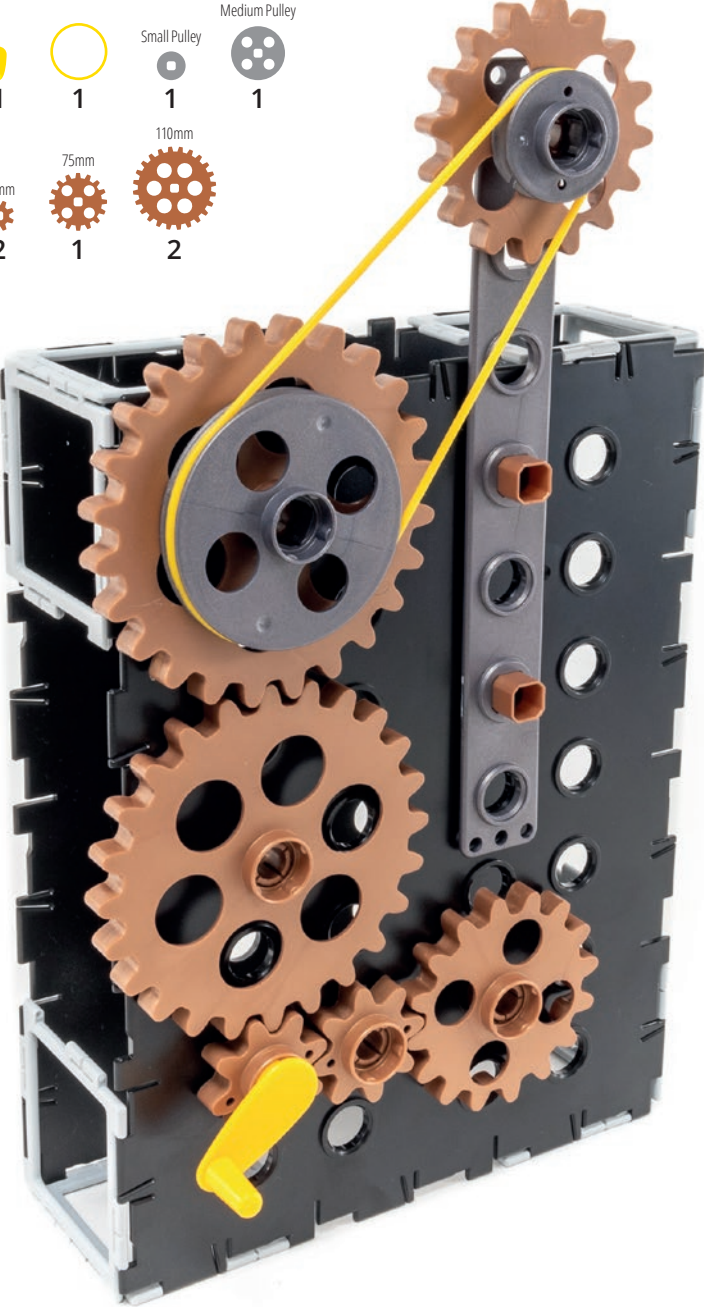
Small Pulley  
1
- 

Medium Pulley  
1
- 

40mm  
2
- 

75mm  
1
- 

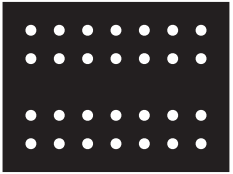
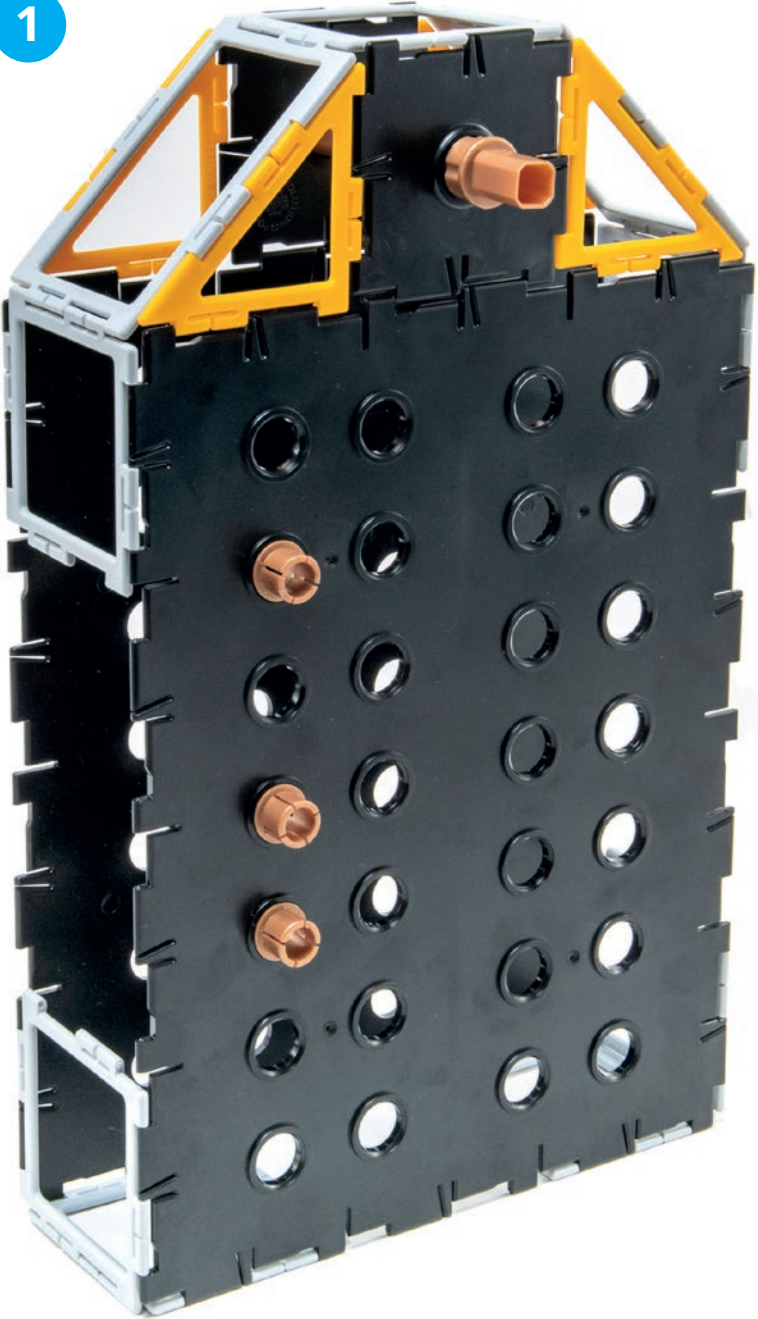
110mm  
2





# Chairspinner

1



2

Round Hole



2



7



4



2

Connector



2

90mm



1

Stub Axle



3

2



1



1

Medium Pulley



2

40mm



2

110mm



1



3

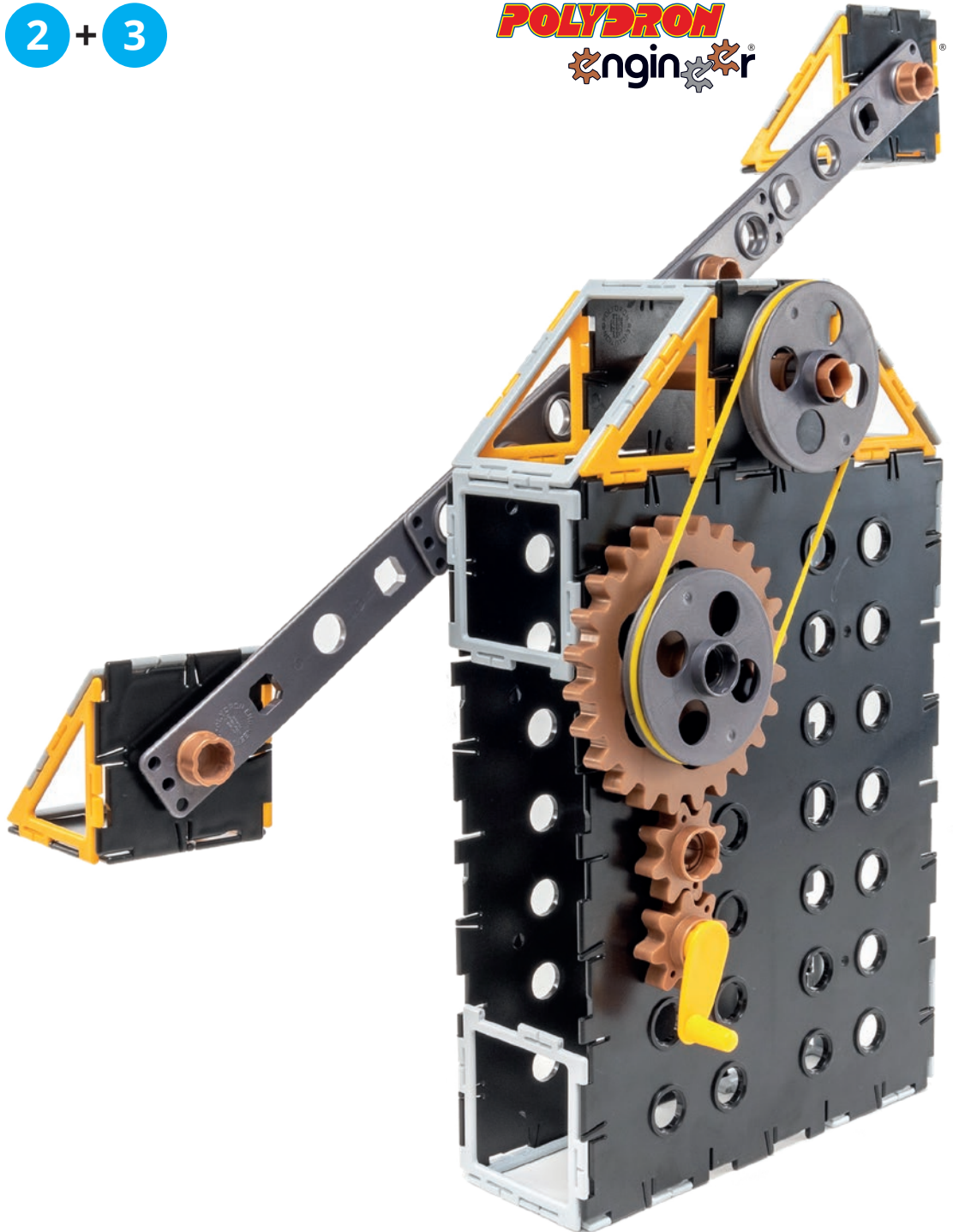


-  2
-  2
-  2
-  4
-  3
-  4



2 + 3

**POLYDRON**  
 Engin<sup>er</sup>

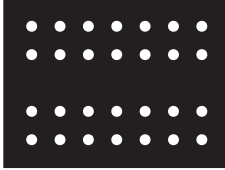







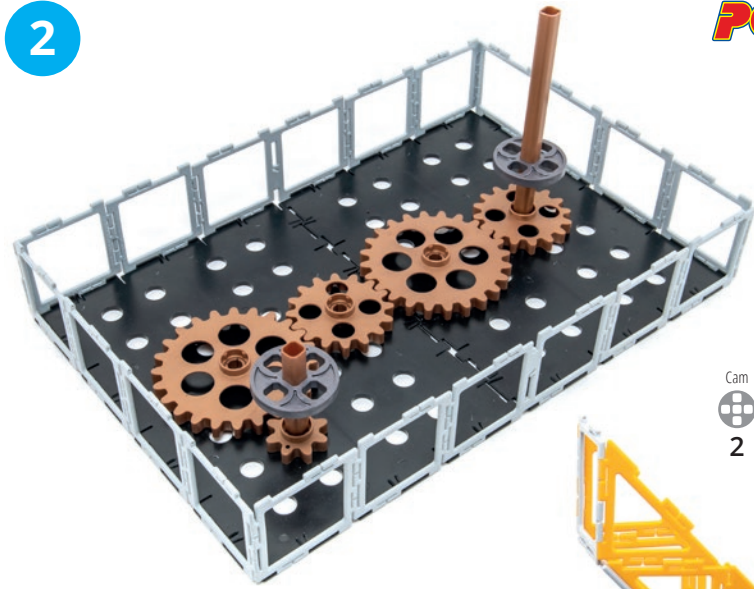
# Crane







1



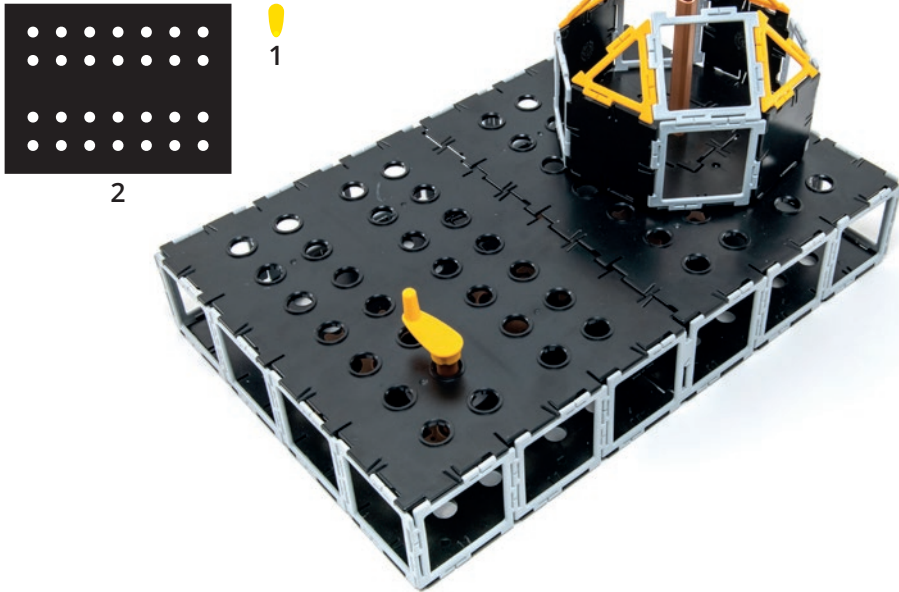
-  2
- Double Square  
 2
-  16
- Stub Axle  
 3



2



- 90mm  
 1
- 180mm  
 1
- 110mm  
 2
- 75mm  
 2
- 40mm  
 1
- Cam  
 2

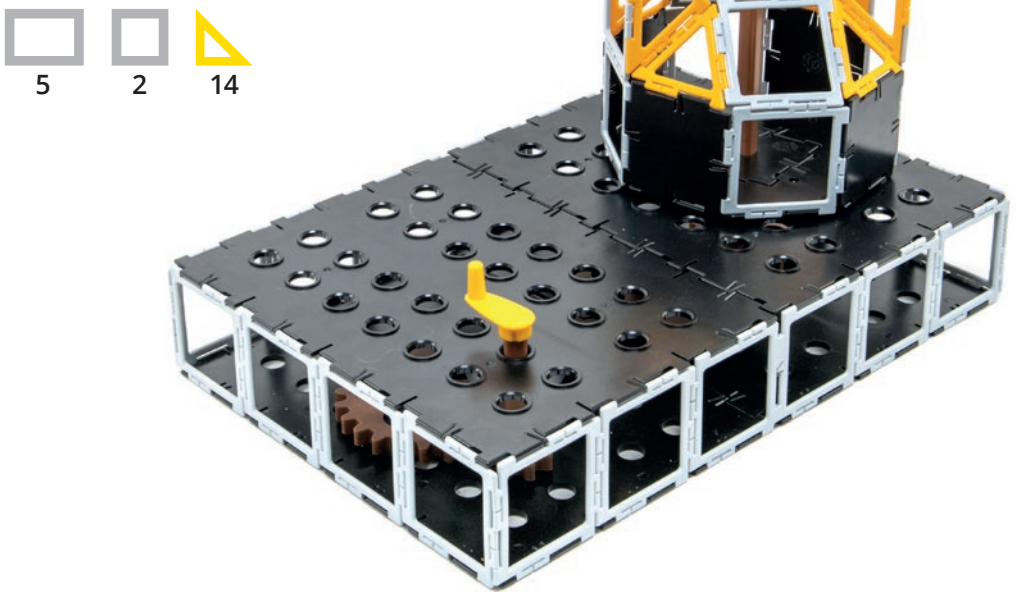
3



-  2
-  1

-  1
- Square Hole  
 1
-  4
-  6
-  4





4



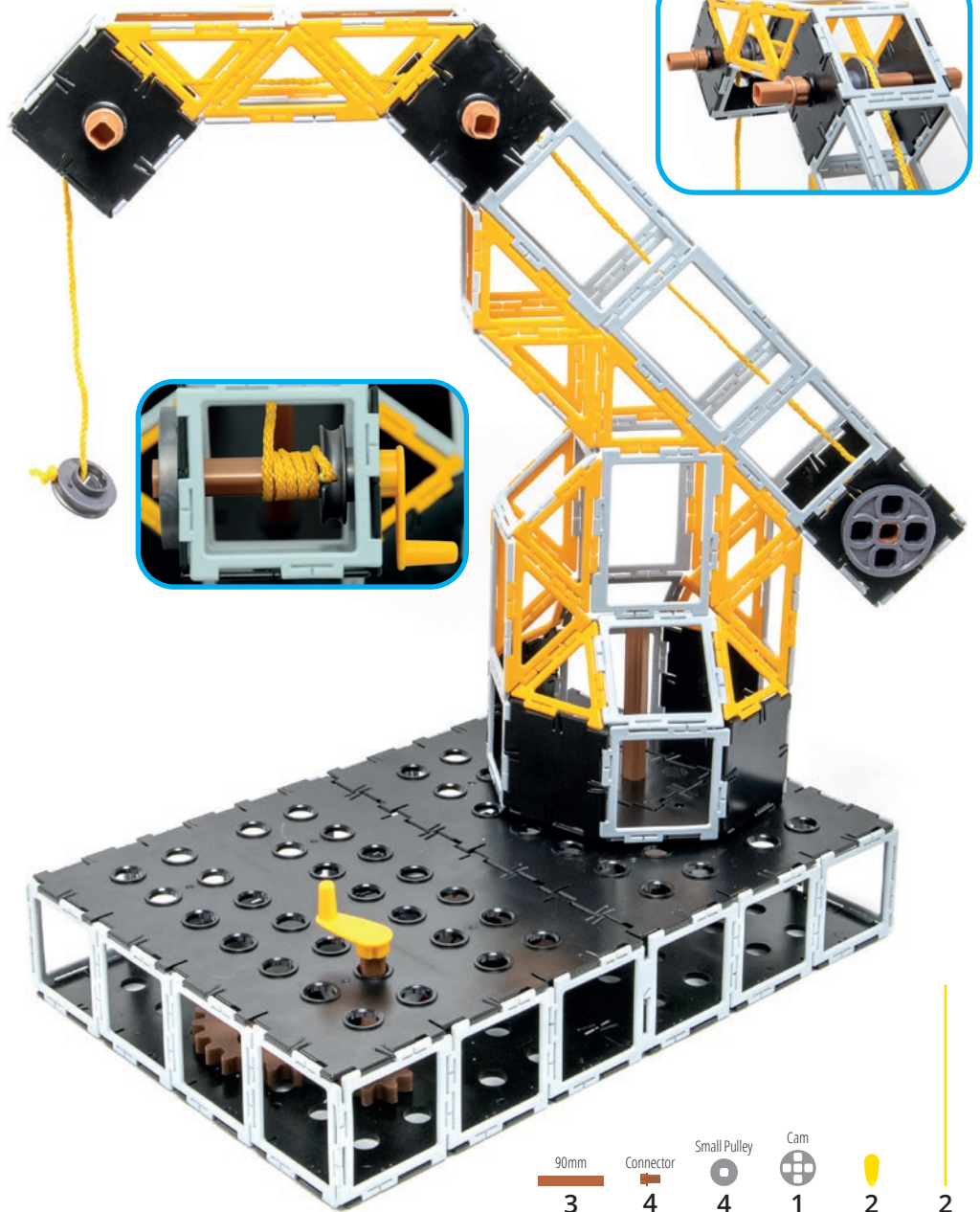
-  5
-  2
-  14

5









-  10
-  9
-  Round Hole 7
-  6

6



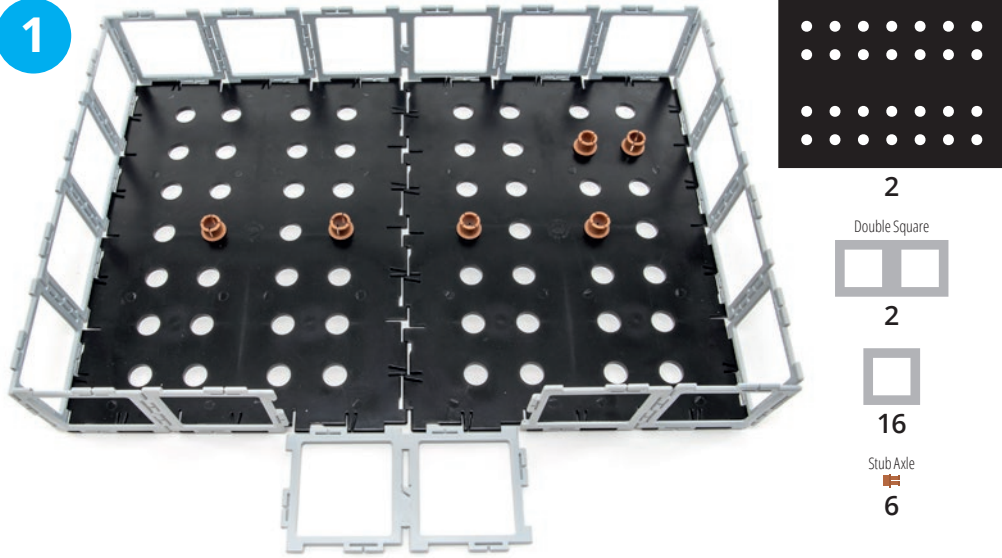
**POLYDRON**  
 Engin<sup>®</sup>

-  90mm 3
-  Connector 4
-  Small Pulley 4
-  Cam 1
-  2
-  2

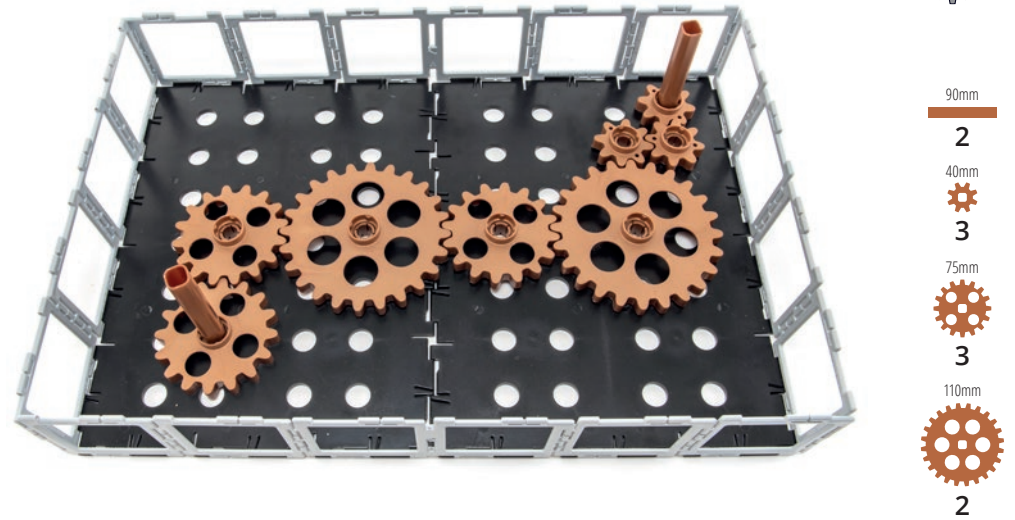


# Gyro

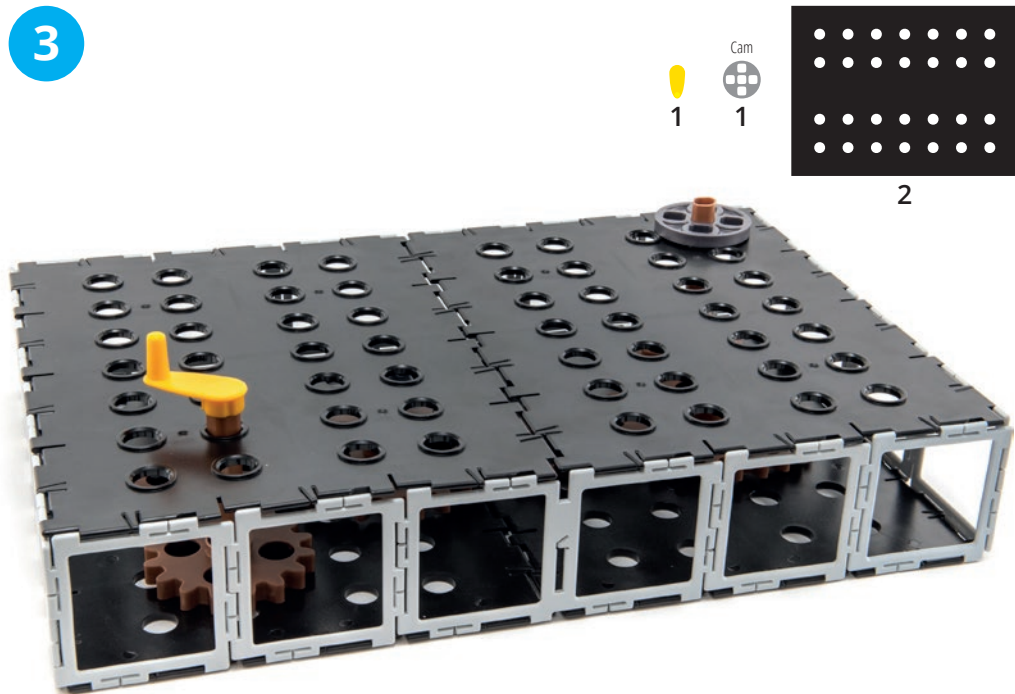
1



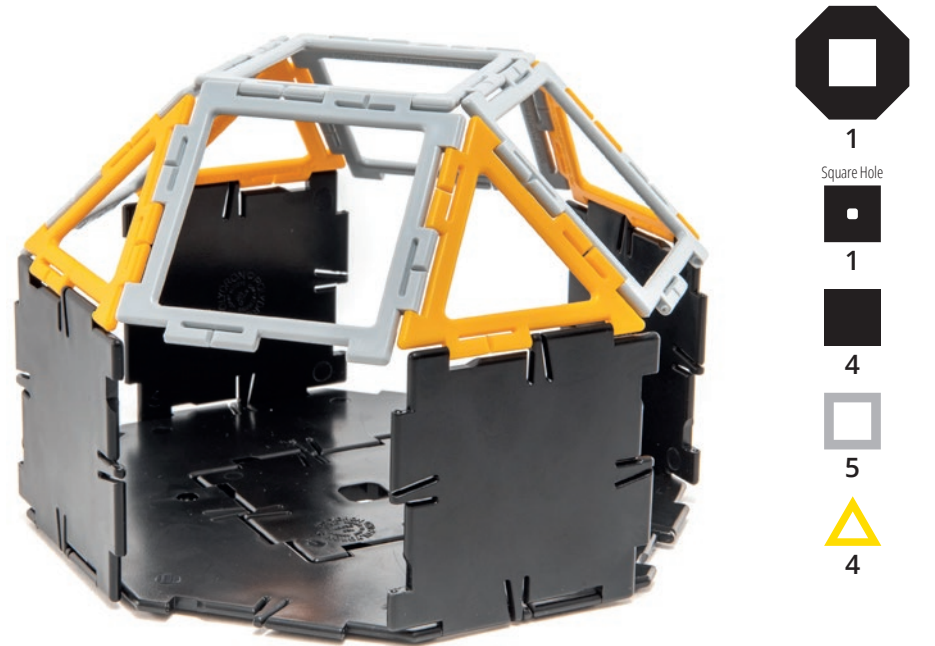
2



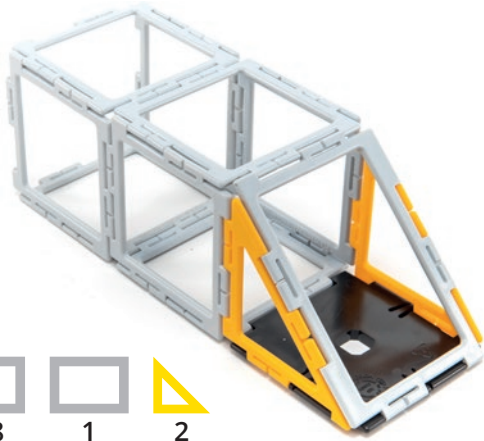
3



4



5



Square Hole



6



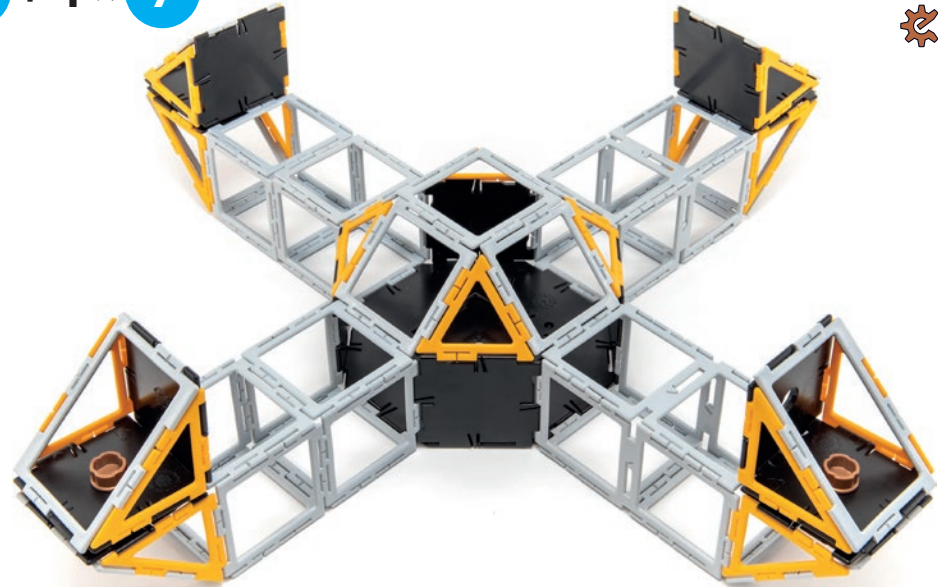
Round Hole



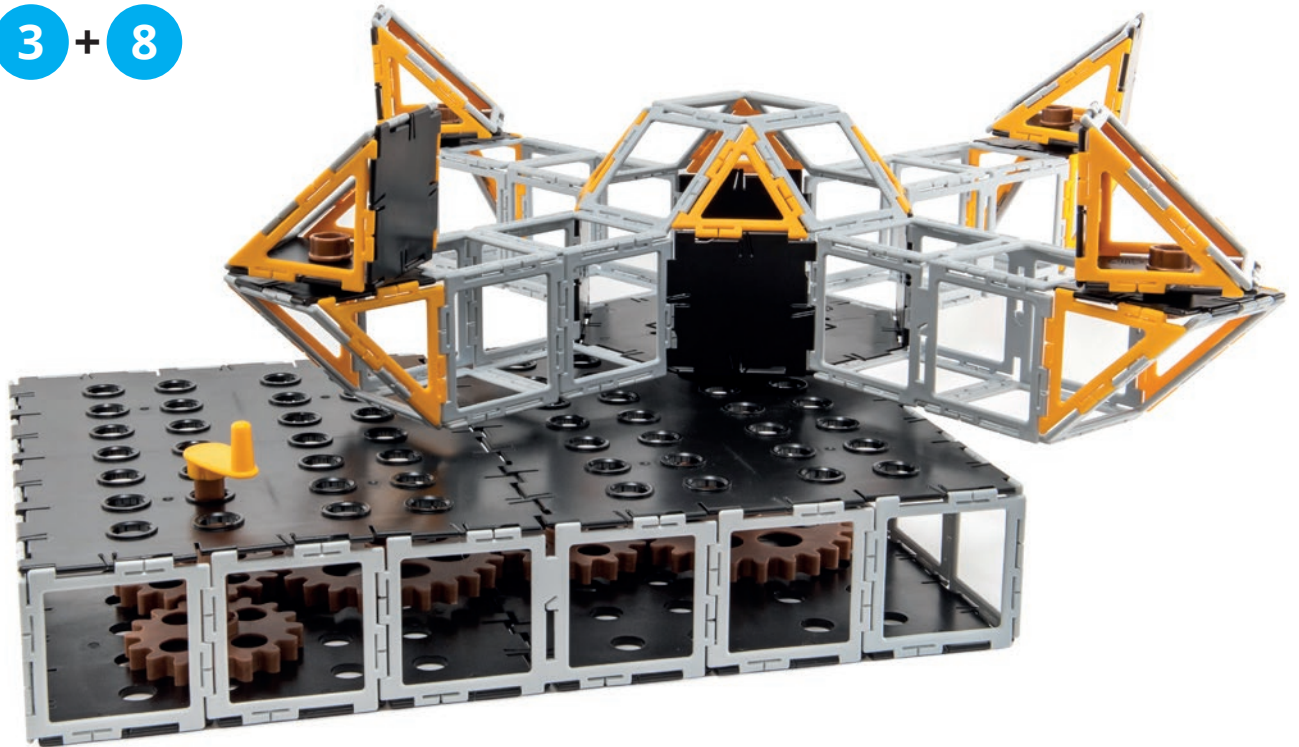
7 = 5 + 6



8 = 4 + 4 × 7



3 + 8





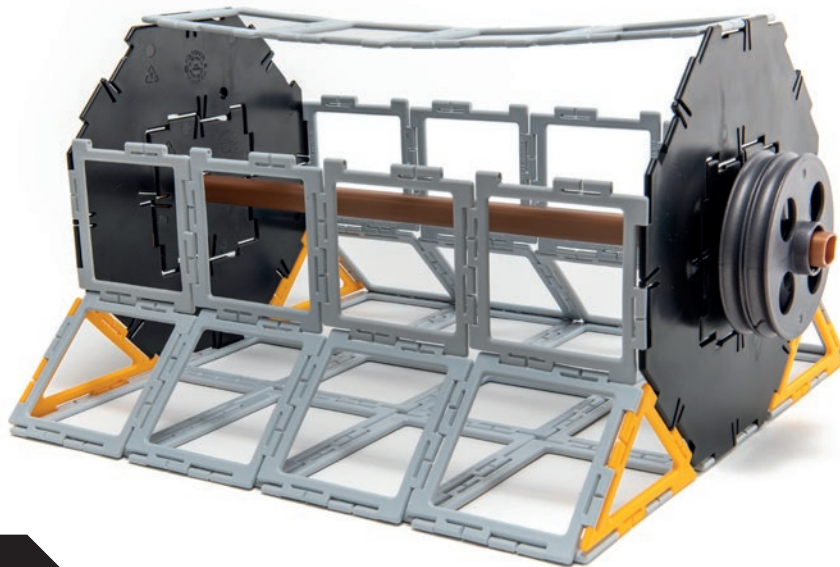
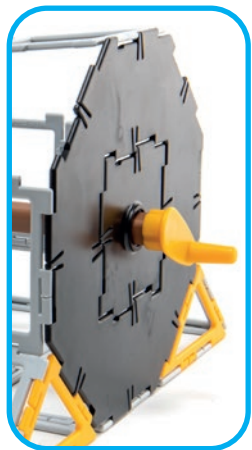
# V8 Engine






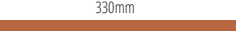
1



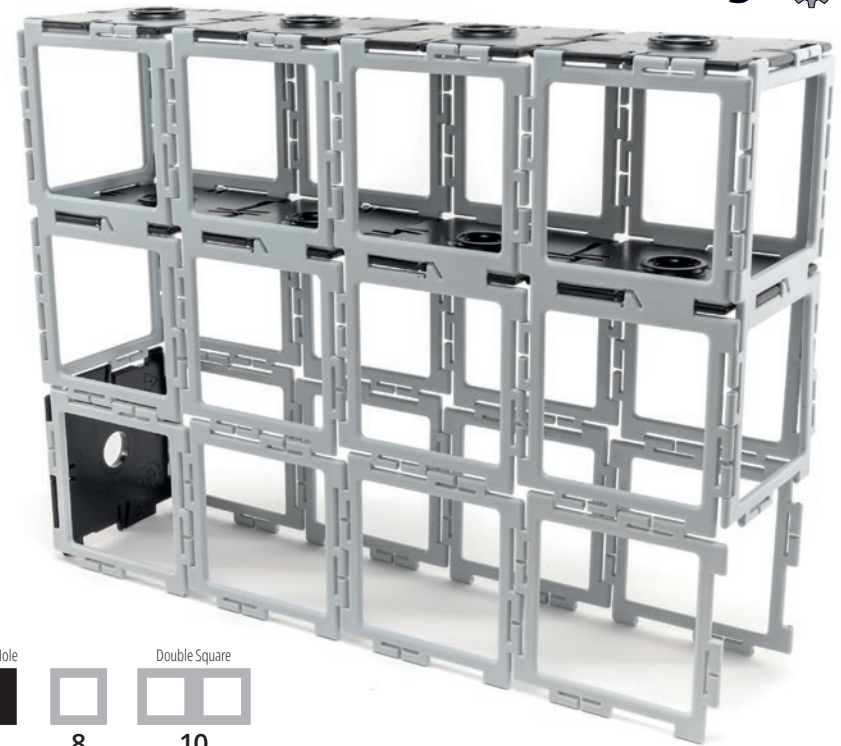
-  20
-  8
-  4

2



-  2
-  Round Hole 2
-  4
-  Medium Pulley 2
-  1
-  330mm 1






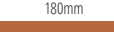
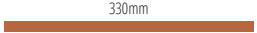
3



-  Round Hole 9
-  8
-  Double Square 10

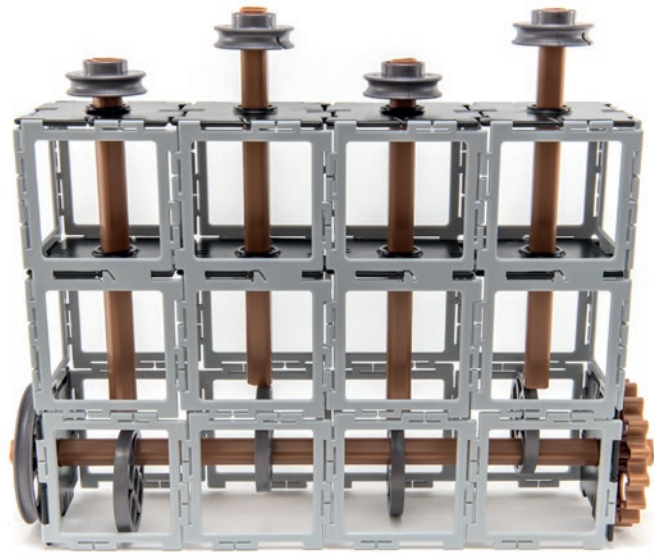
4



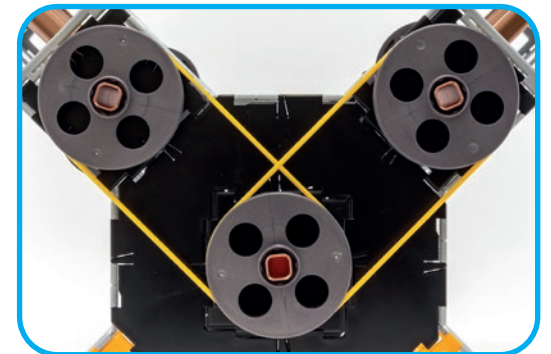
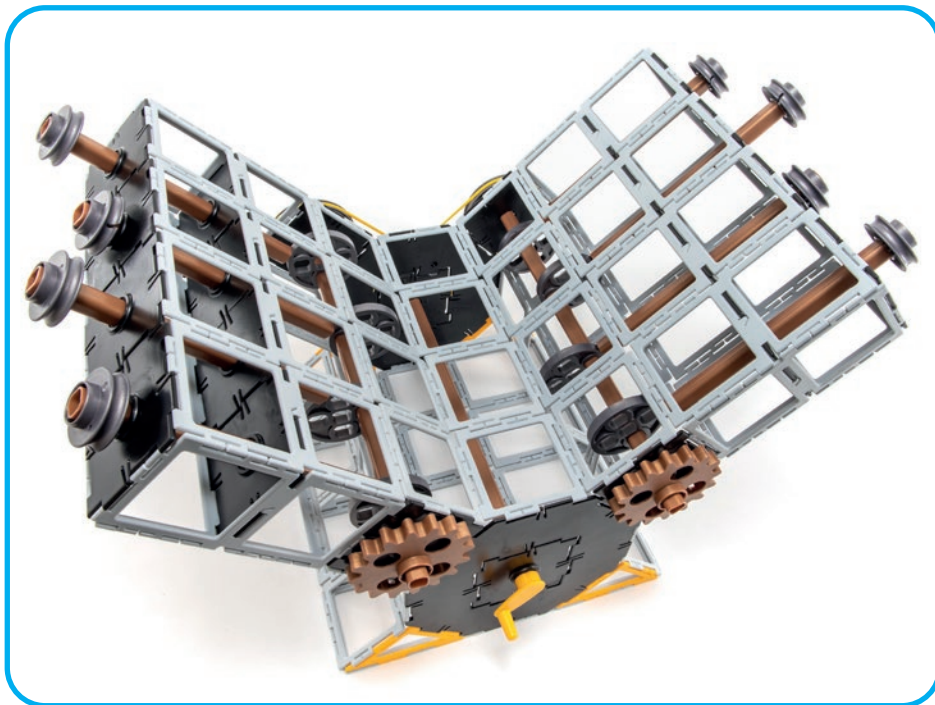
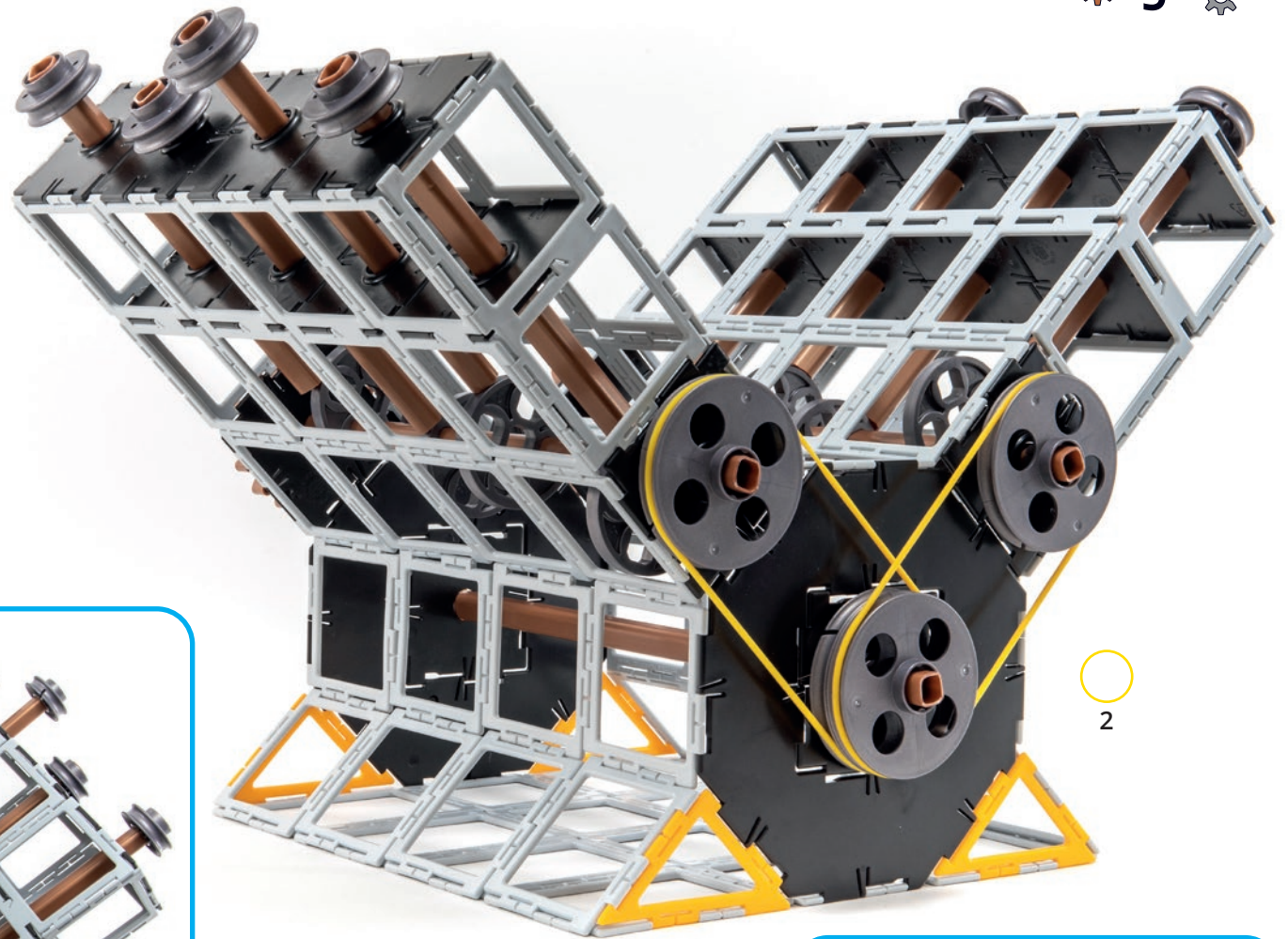
-  Small Pulley 4
-  Cam 4
-  Medium Pulley 1
-  75mm 1
-  Round Hole 1
-  180mm 4
-  330mm 1



$5 = 3 + 4$



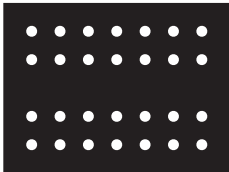
$2 + 2 \times 5$





# Clock

## 1 Front Side



2

Double Square



6



13

90mm

2

Connector

1

## 2 Reverse Side

40mm



2

75mm



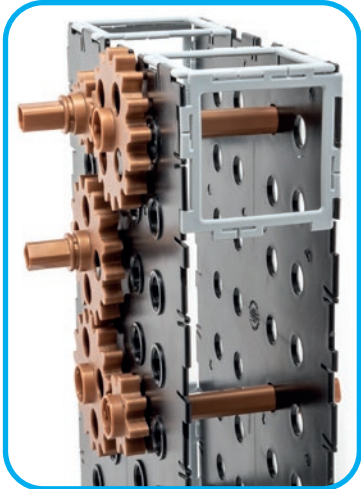
3

Connector

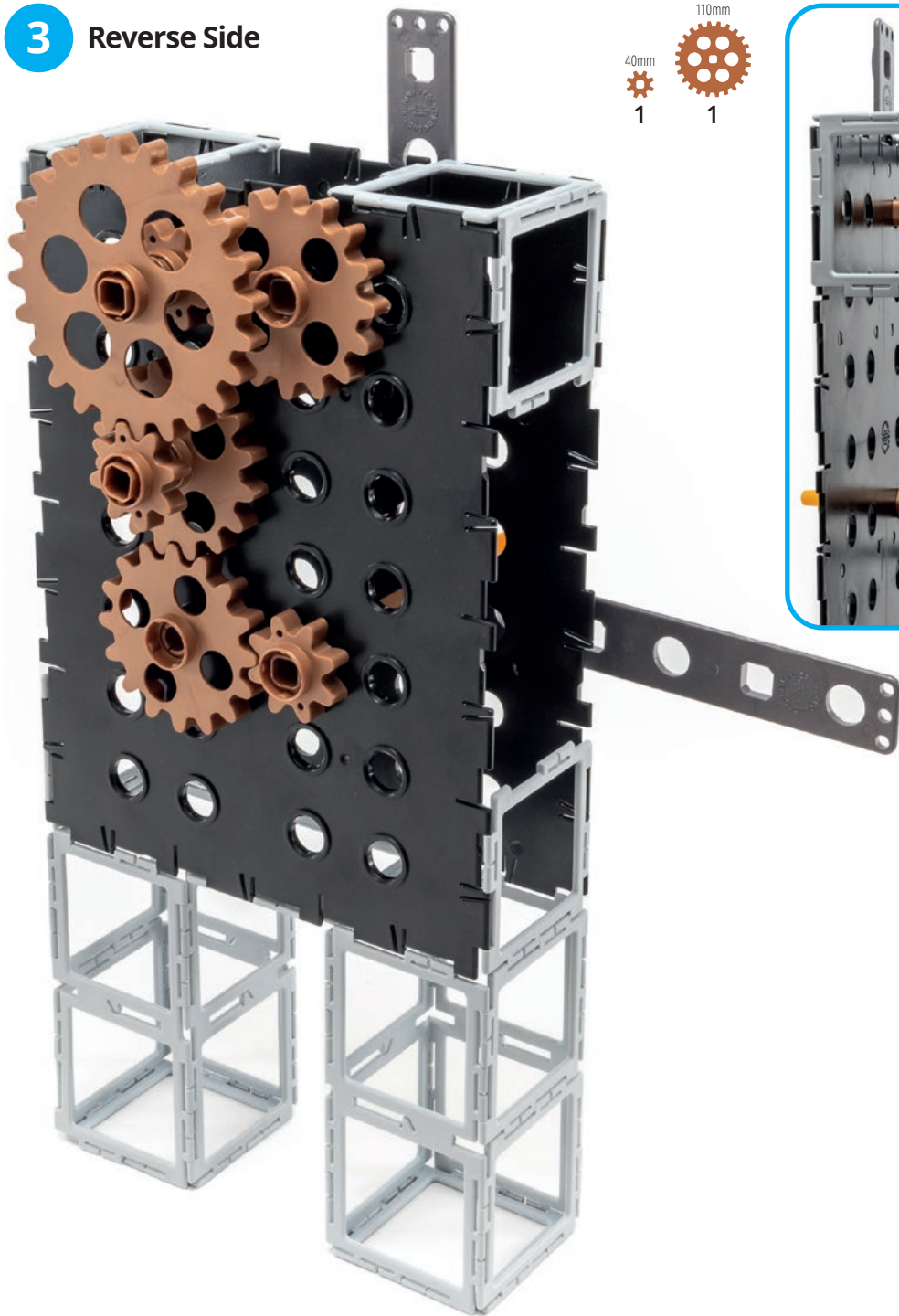
2



Stub Axle

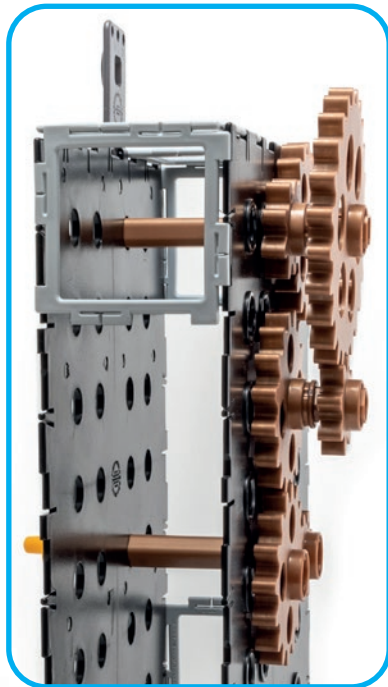
3



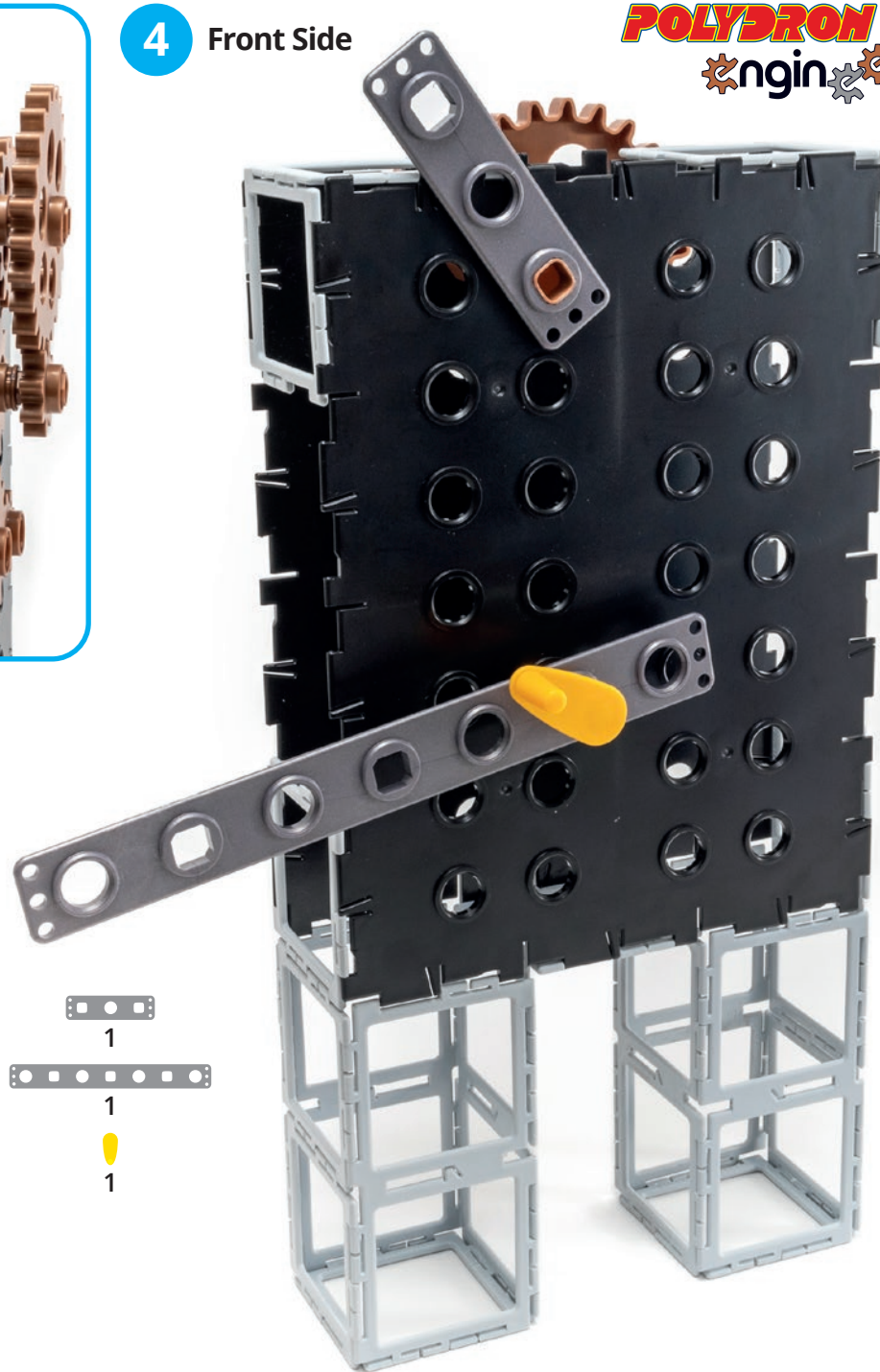
**3** Reverse Side






- 40mm  1
- 110mm  1



**4** Front Side

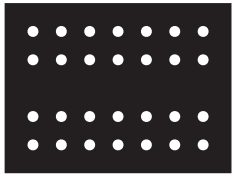


-  1
-  1
-  1



# Vertigo

1



2

Round Hole



2

3

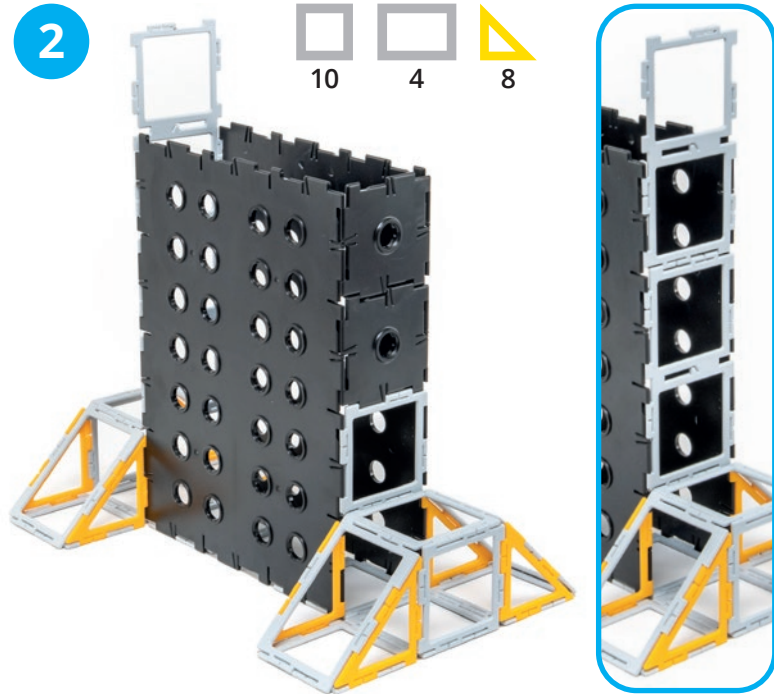
Double Square



2

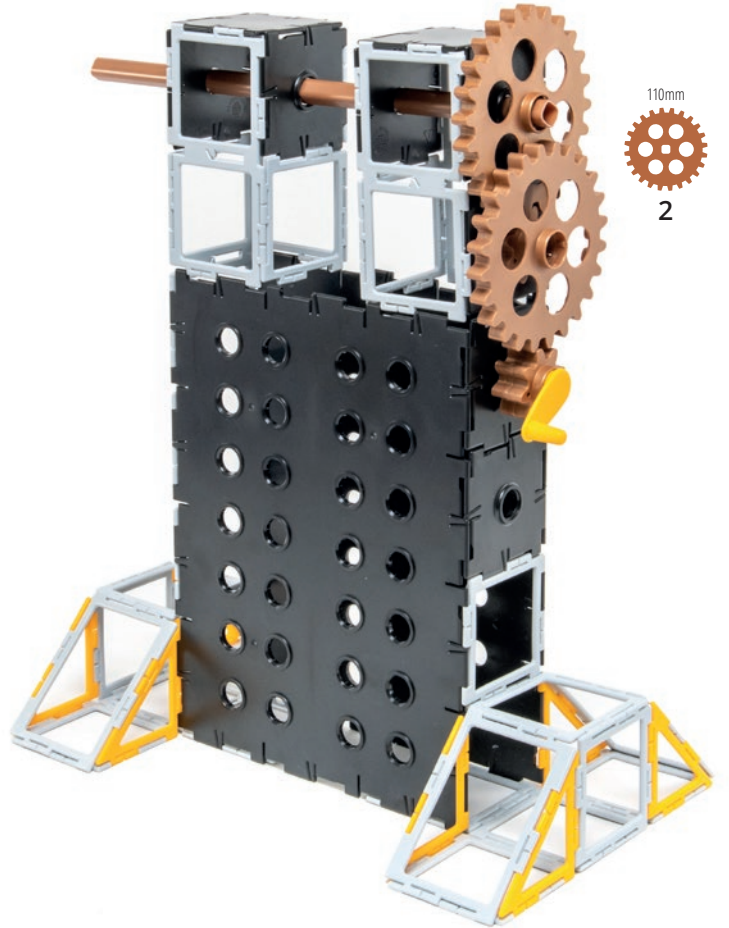


2



5

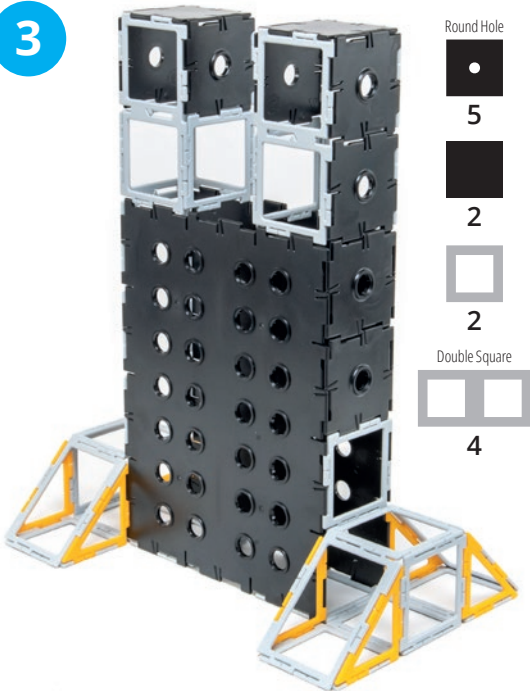
**POLYDRON**  
engin<sup>®</sup>



110mm

2

3



Round Hole



5



2



2

Double Square



4



4



40mm



3

1

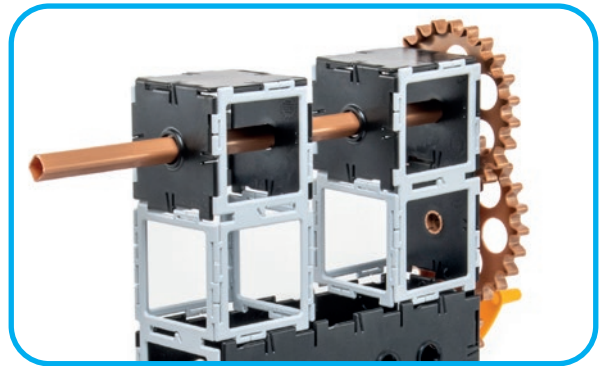
Stub Axle



2

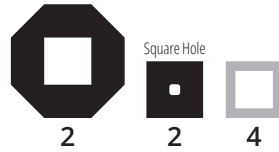
330mm

1

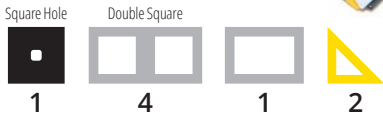
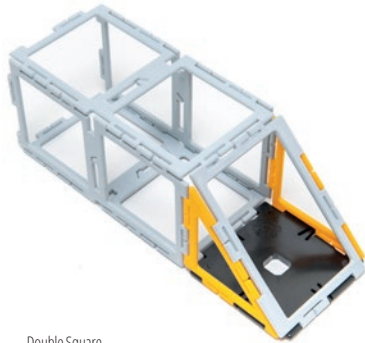




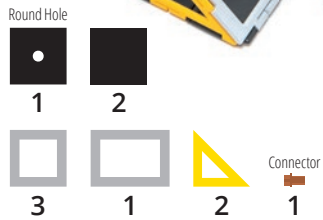
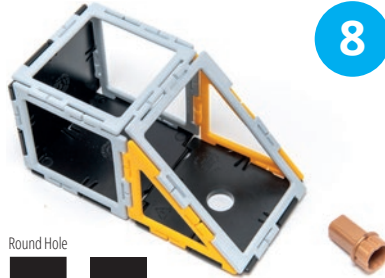
6



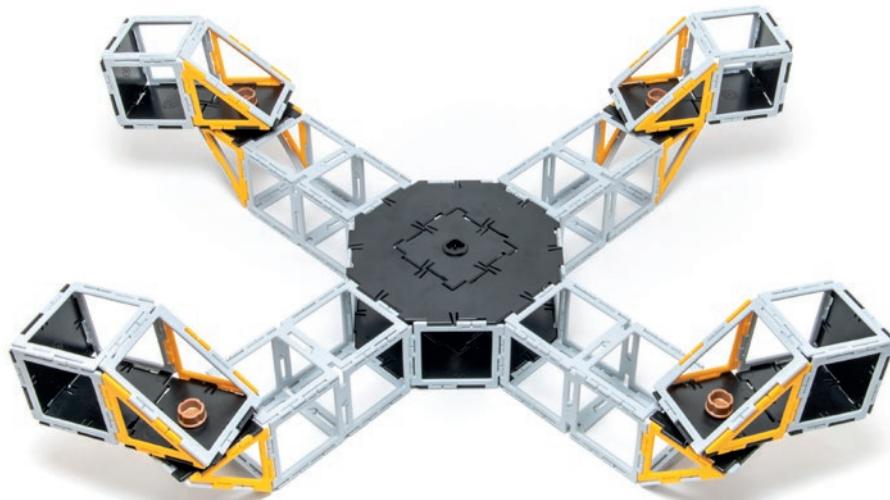
7



8



9 = 6 + 4 x 7 + 4 x 8



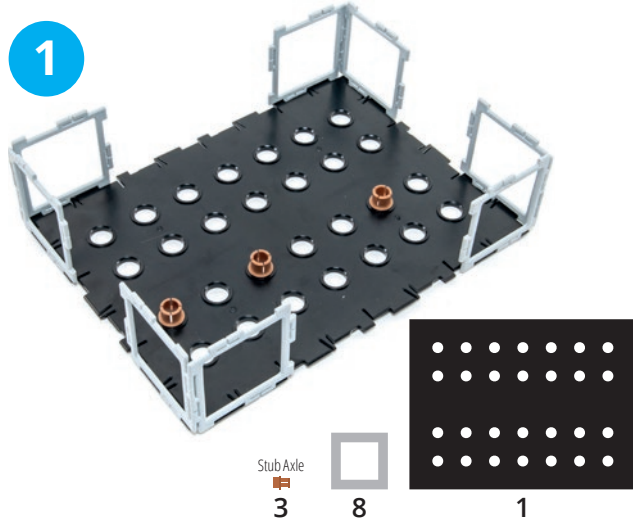
5 + 9



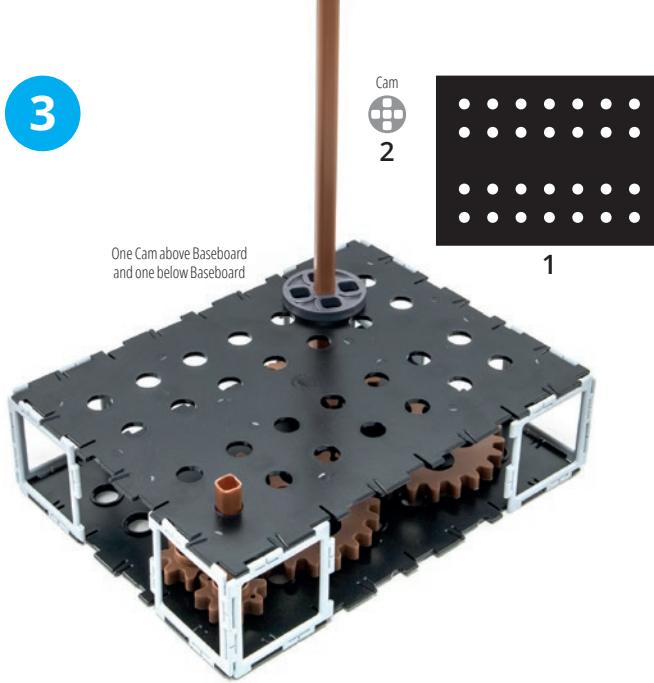


# Chairoplane

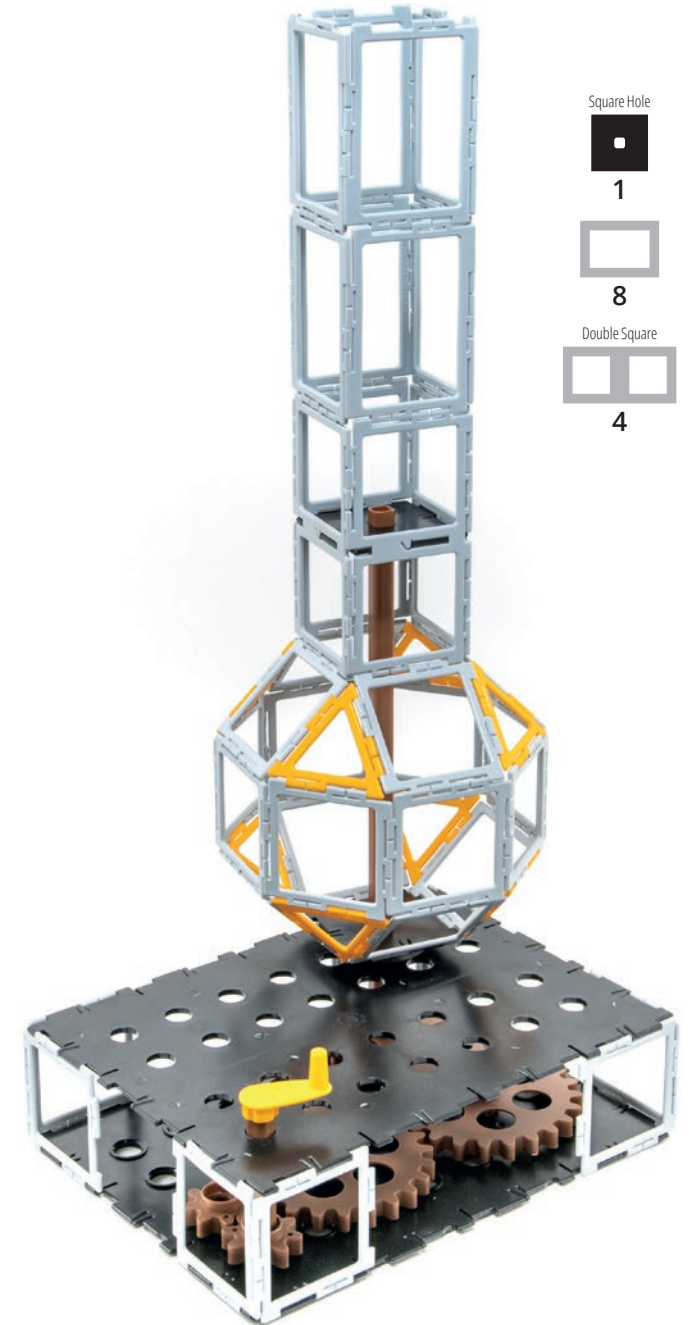
1



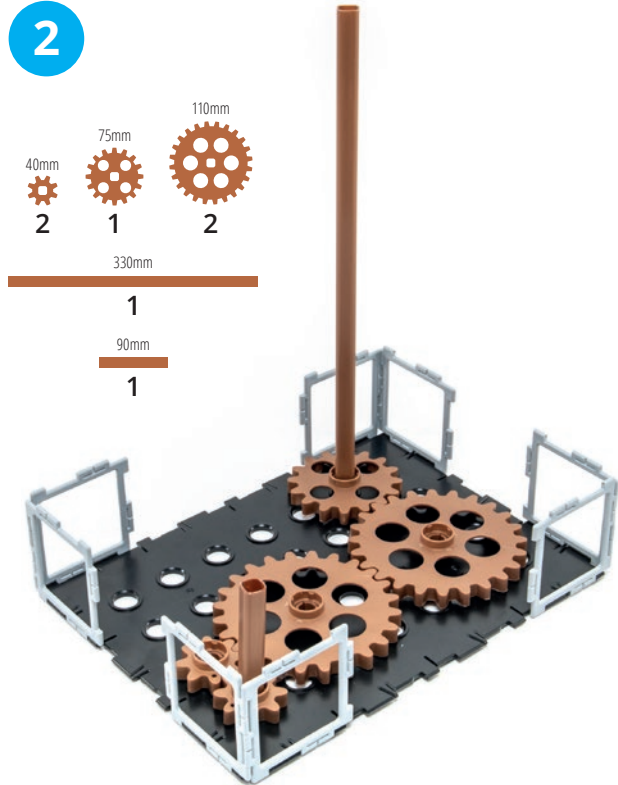
3



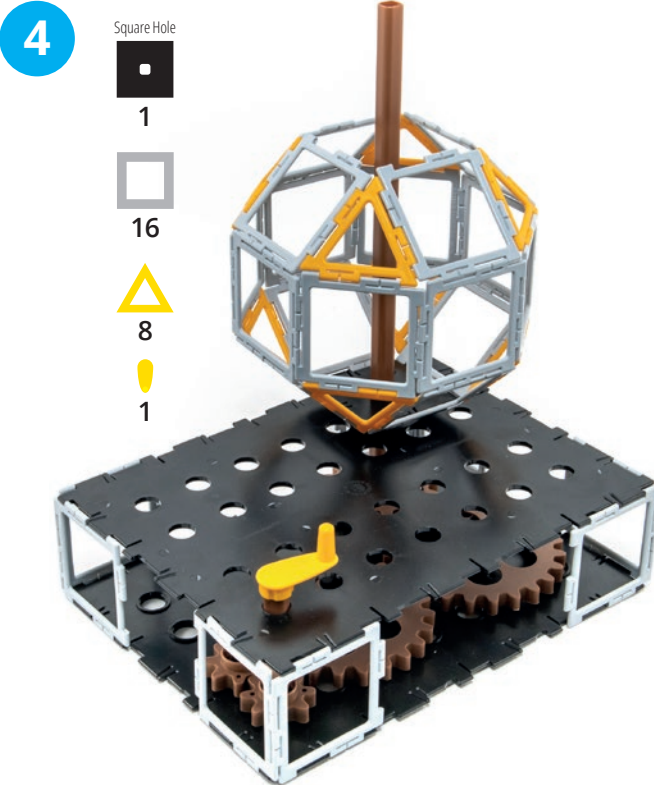
5



2



4



6



- Square Hole
- 1
  - 1
  - 1
  - 2
  - Connector 1

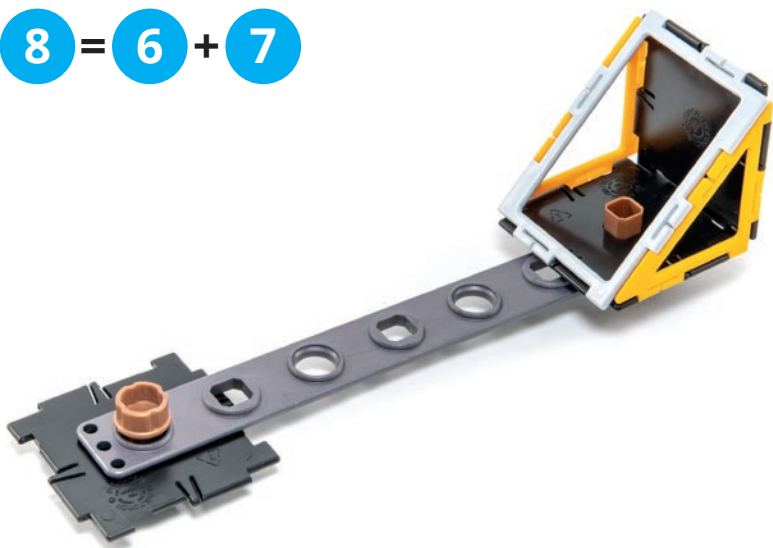


7



- Connector 1
- 1
- Square Hole 1

8 = 6 + 7



5 + 4 x 8

