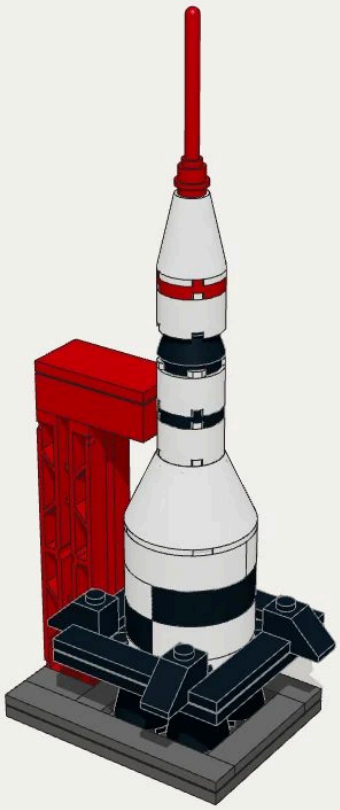


#006 · Build guide

Mini Multi-Stage Rocket: Checkered Heavy Lifter

40 parts · 4 colours · 40 steps · ~4 h print

CC BY-NC-SA 4.0 · Free for personal use · Commercial use needs permission

Before you start

Printing

Open the 3MF in Bambu Studio: every part is already laid out on plates, one colour per plate. Tuned for the Bambu Lab A1 with a 0.4 mm nozzle, tight fit.

Reading the steps

Each step shows the model from the side (left) and from above (top right): the part to add is in full colour with an orange outline, earlier parts are faded, and the orange box at bottom right pictures the part and how many you need. Steps marked Sub-assembly are built in your hand first, shown upside down; the next Fit step places the finished group as one piece.

Parts list



1× Plate 4x4 Round with 2x2 Round Hole
White



3× Brick 2x2 Round without Reinforcement
White



1× Cone 2x2 x 2 with Hollow Stud Open
White



1× Cone 4x4 x 2 with Axlehole
White



4× Brick 2x4 Half Round without Cutouts
White



1× Brick 2x4
Red



1× Support 2x2 x 8 Girder
Red



1× Antenna 4H with Rounded Top
Red



1× Plate 2x2 Round with Reduced Axlehole
Red



1× Plate 1x1 Round with Open Stud
Red



1× Tile 2x4
Red



2× Tile 1x4 with Groove
Dark Grey



1× Plate 6x8
Dark Grey



2× Tile 1x2 with Groove
Dark Grey



2× Tile 1x8
Dark Grey



4× Tile 1x4 with Groove
Black



4× Slope Brick 45 2x1
Black



4× Cone 2x2 x 2 with Hollow Stud Open
Black



1× Plate 6x6
Black



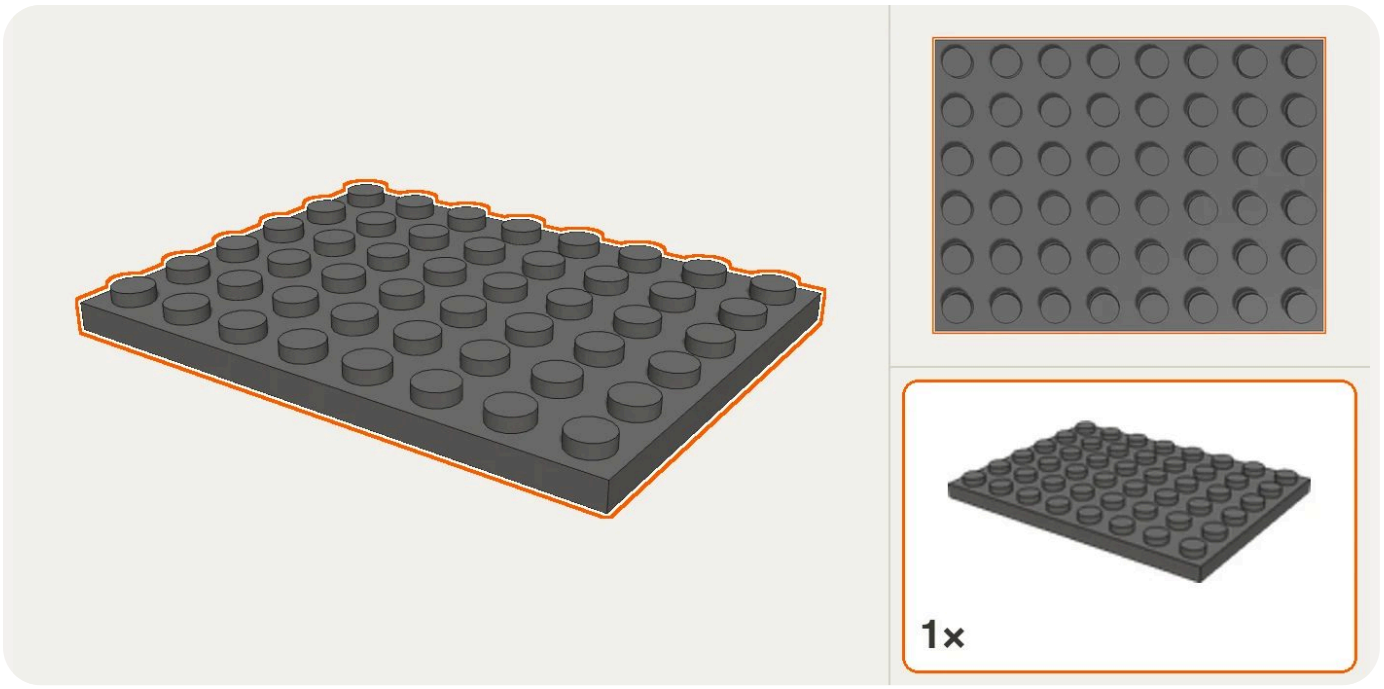
1× Plate 2x2 Round with Reduced Axlehole
Black



2× Brick 2x4 Half Round without Cutouts
Black



1× Cone 2x2 Truncated
Black



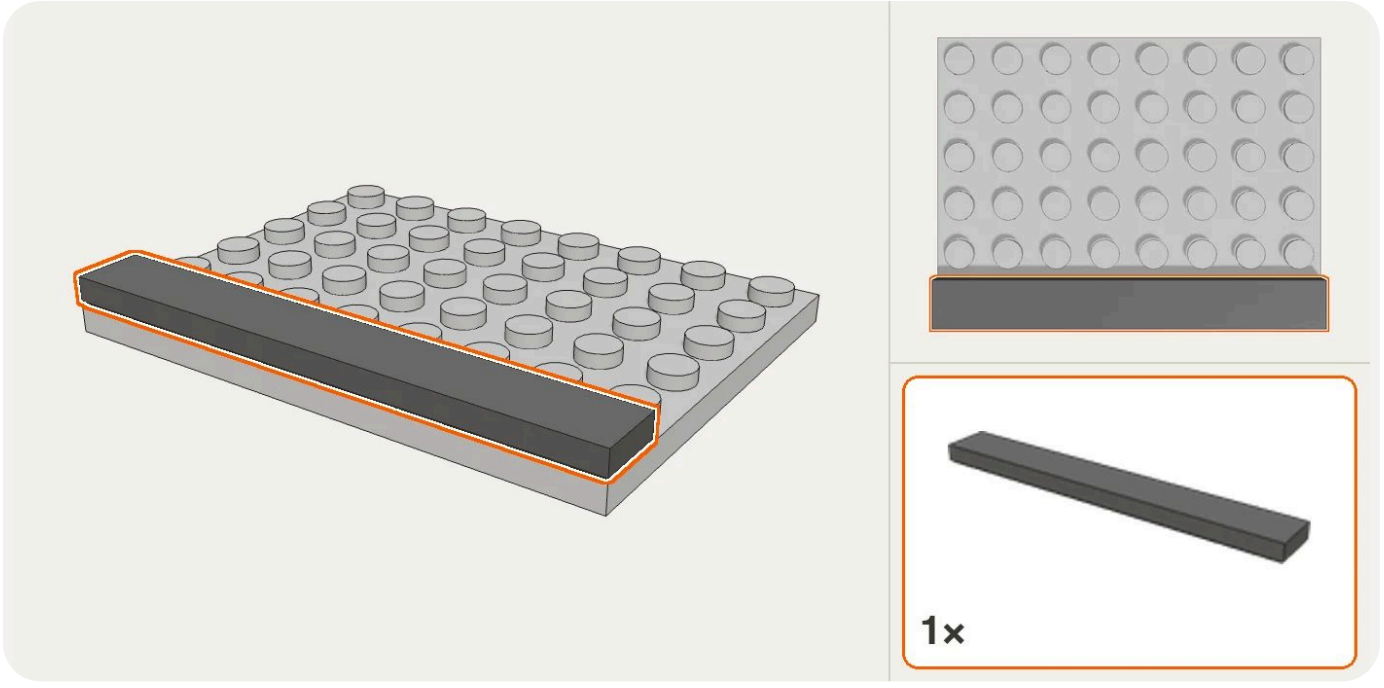
Step

1

ADD



1× Plate 6x8
Dark Grey



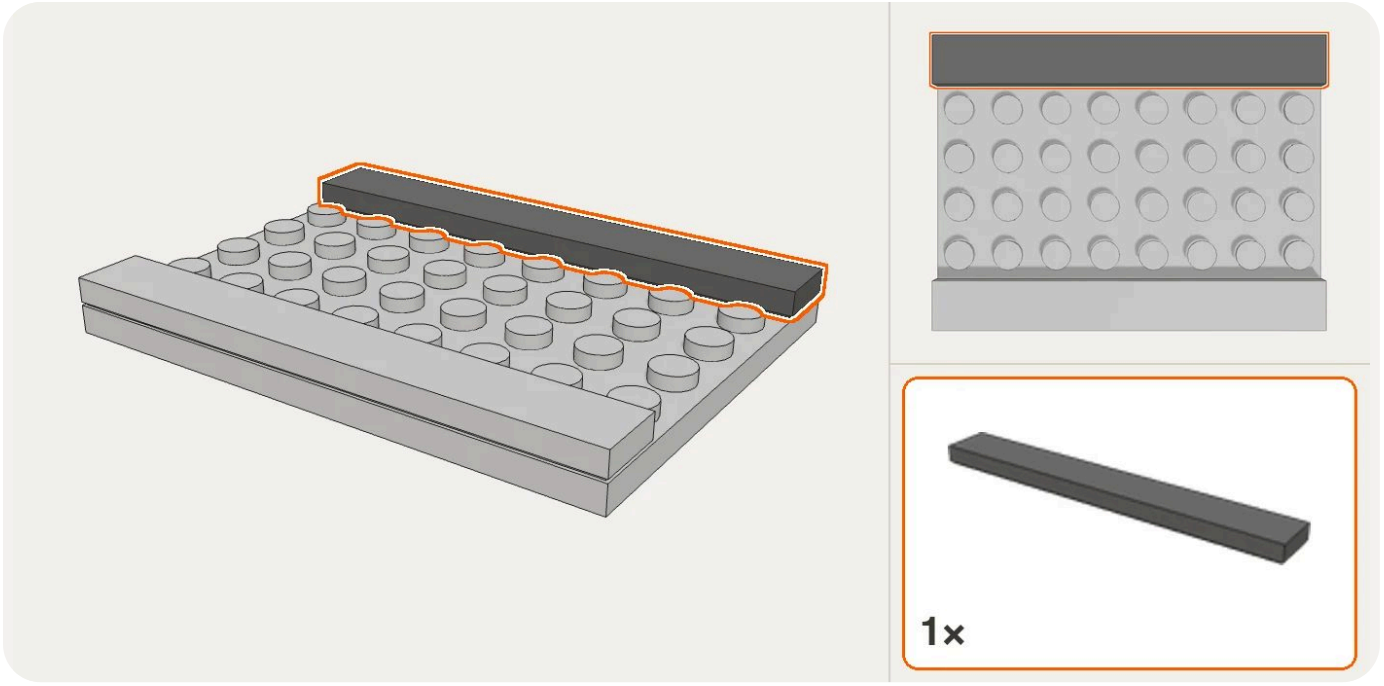
Step

2

ADD



1× Tile 1x8
Dark Grey



Step

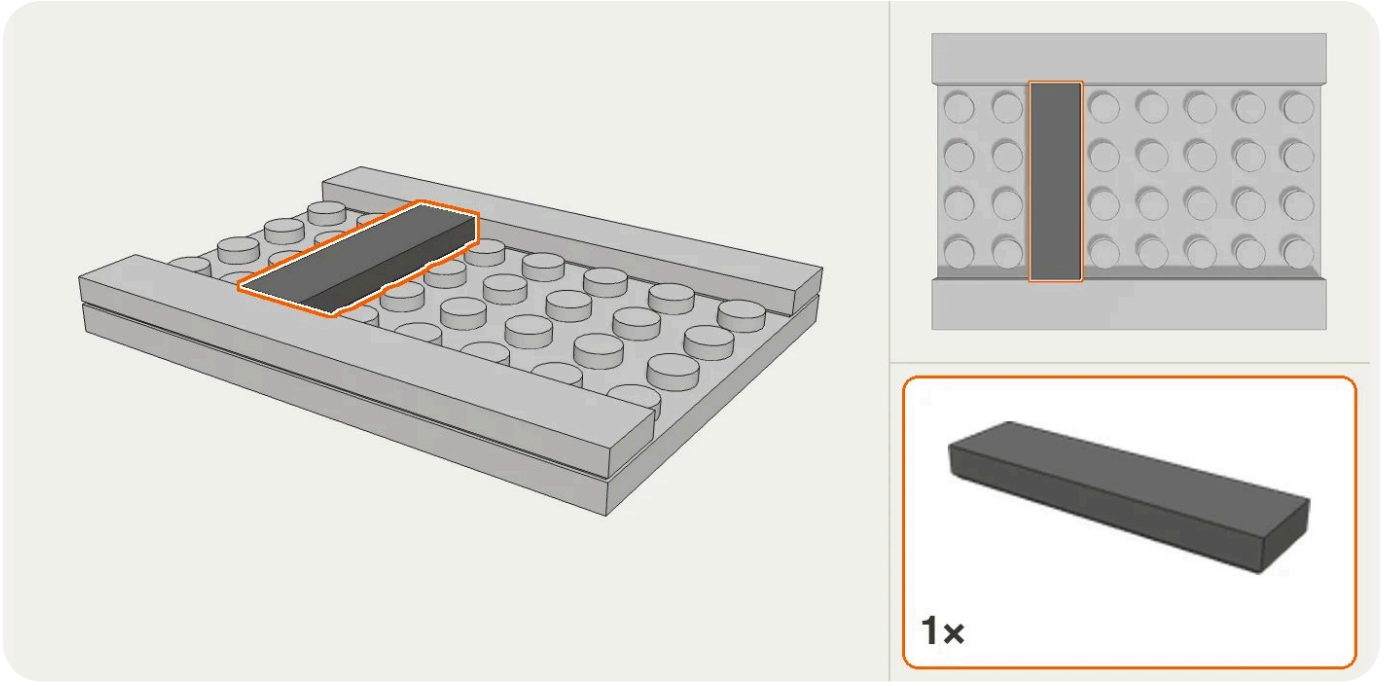
3

ADD



1× Tile 1x8

Dark Grey



Step

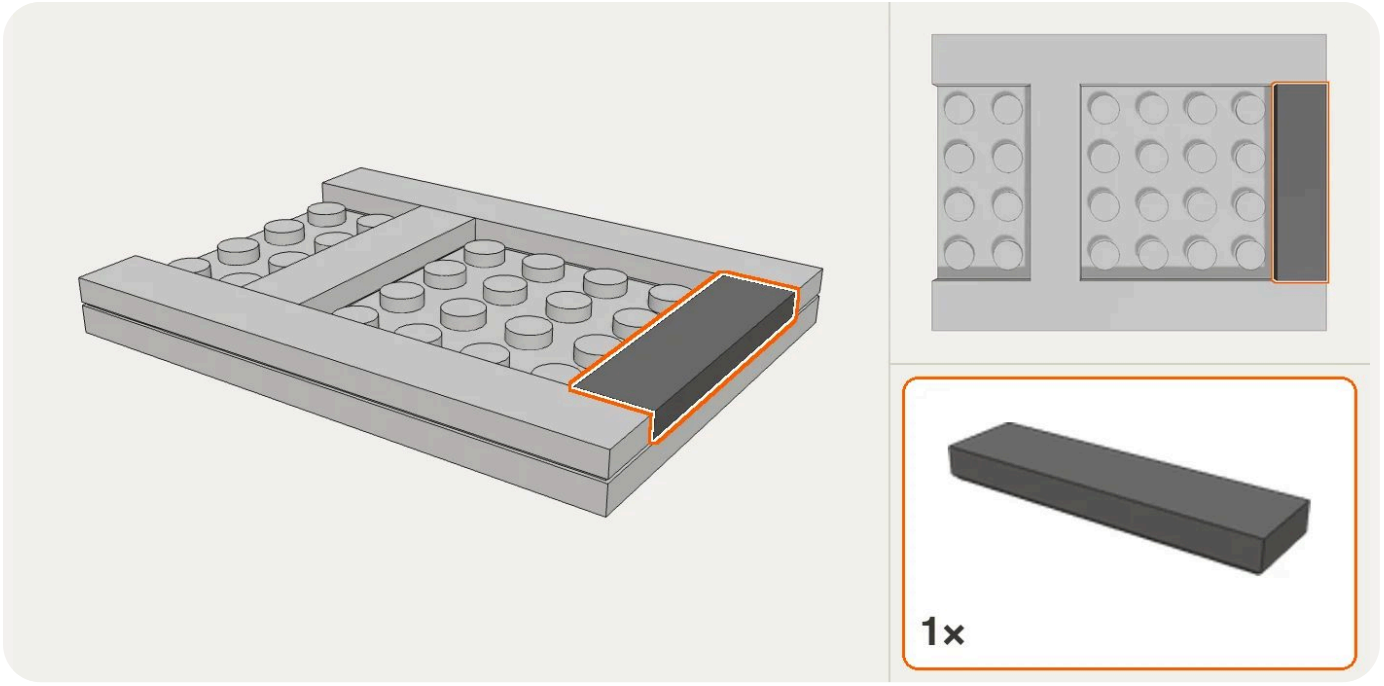
4

ADD



1× Tile 1x4 with Groove

Dark Grey



Step

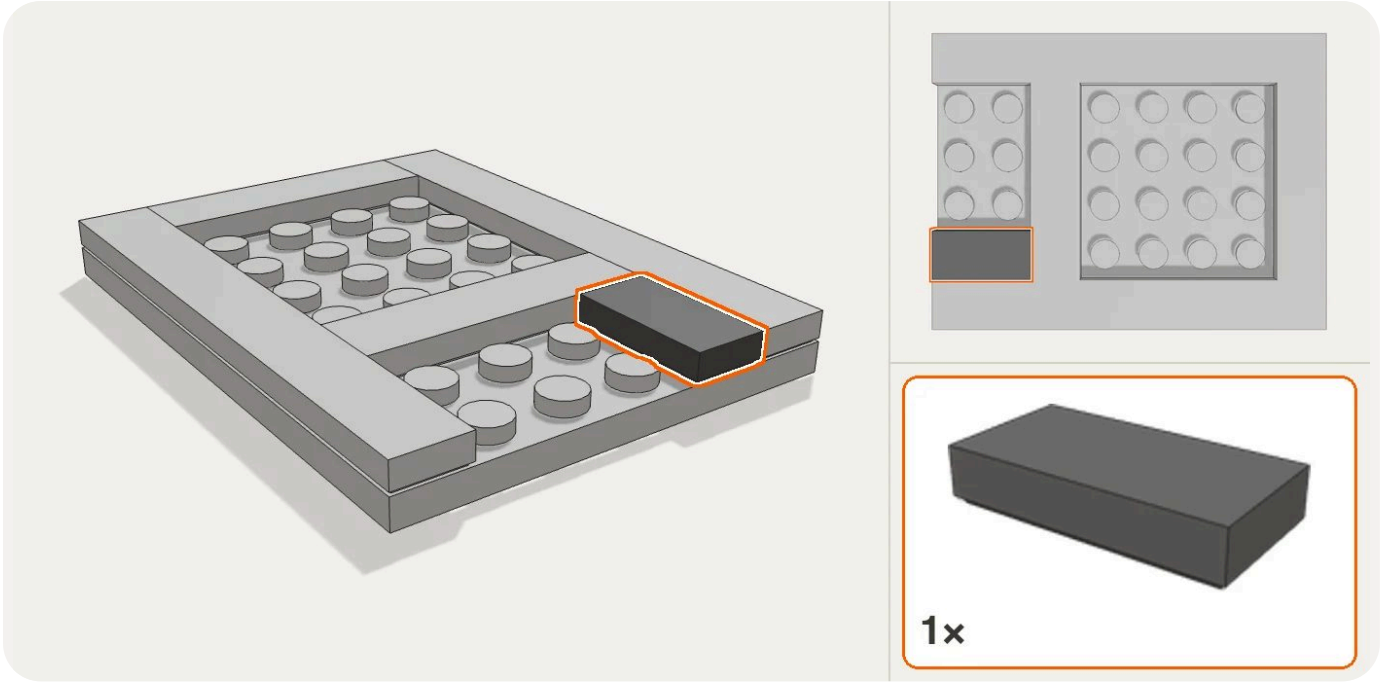
5

ADD



1× Tile 1x4 with Groove

Dark Grey



Step

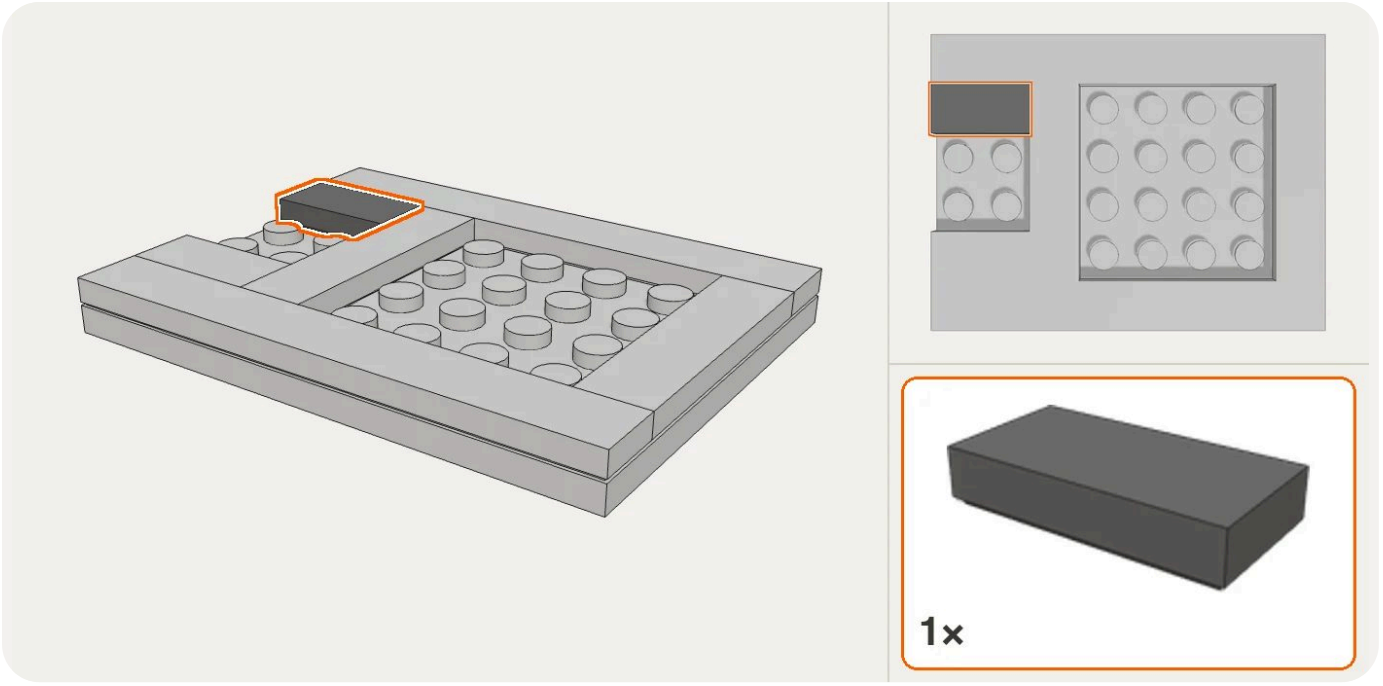
6

ADD



1× Tile 1x2 with Groove

Dark Grey



Step

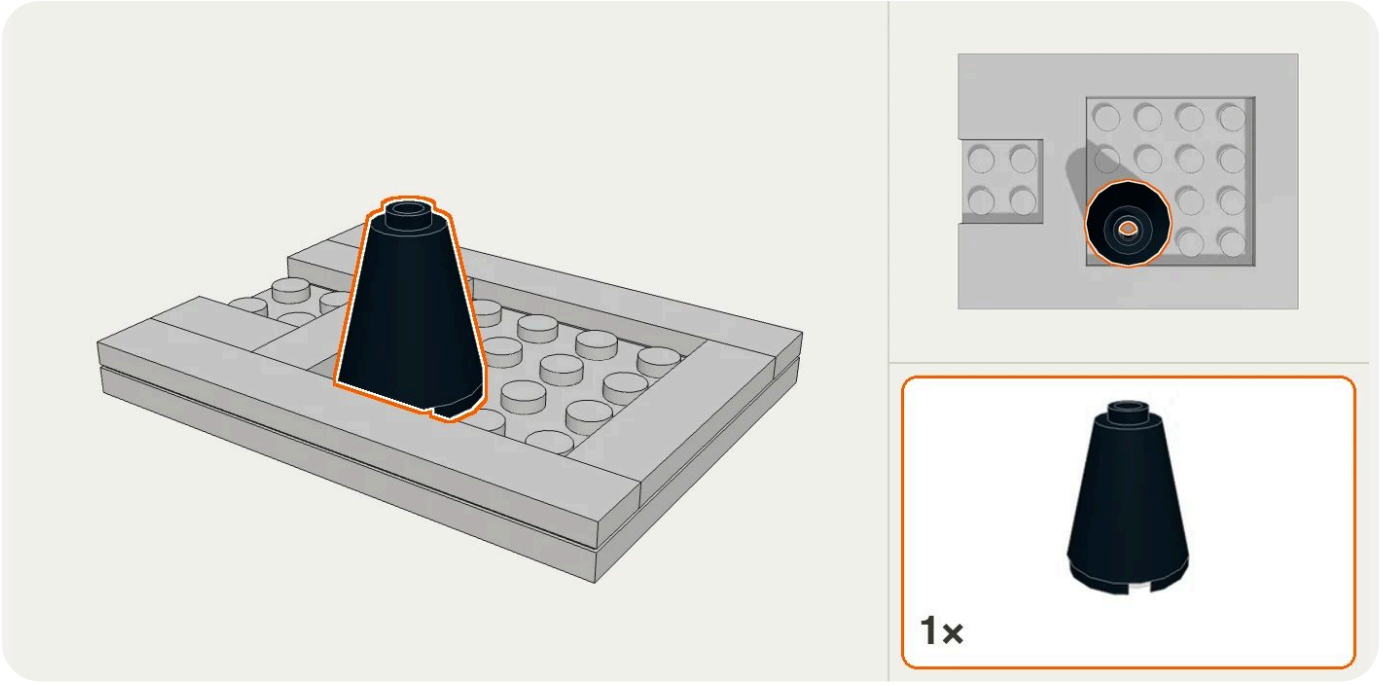
7

ADD



1× Tile 1x2 with Groove

Dark Grey



Step

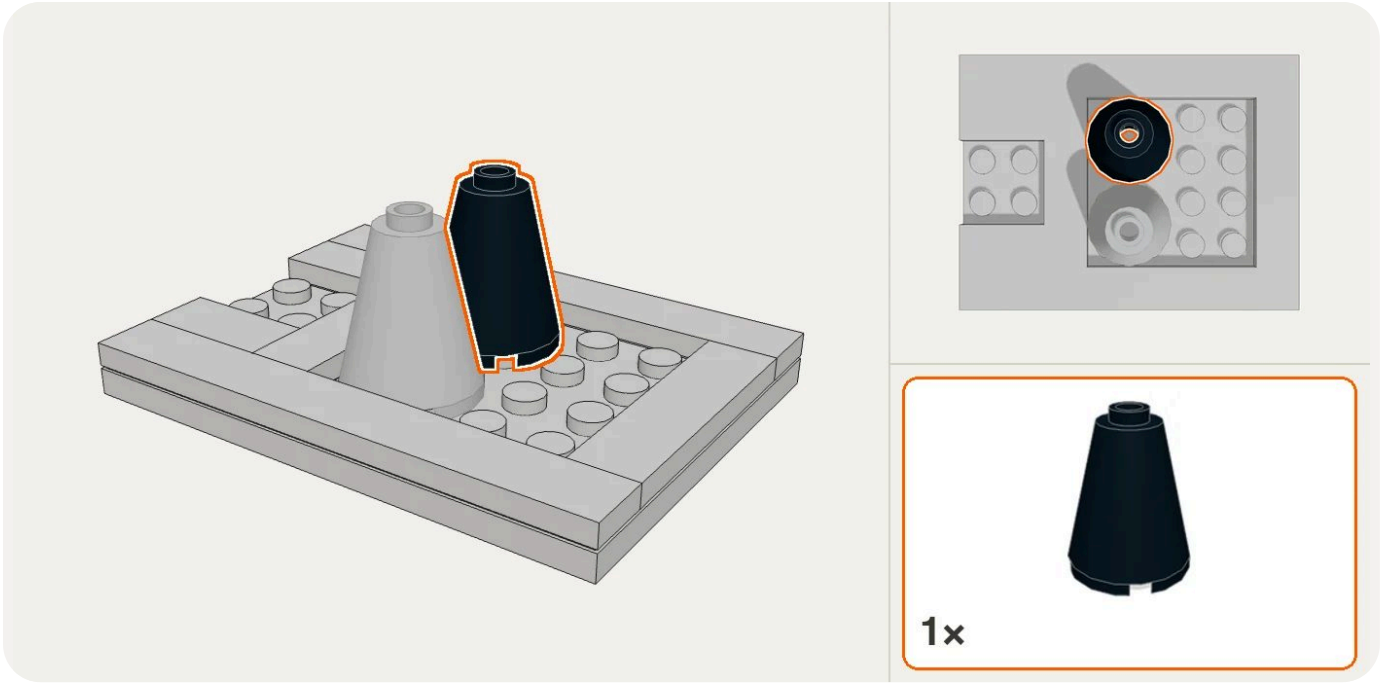
8

ADD



1× Cone 2x2 x 2 with Hollow Stud Open

Black



Step

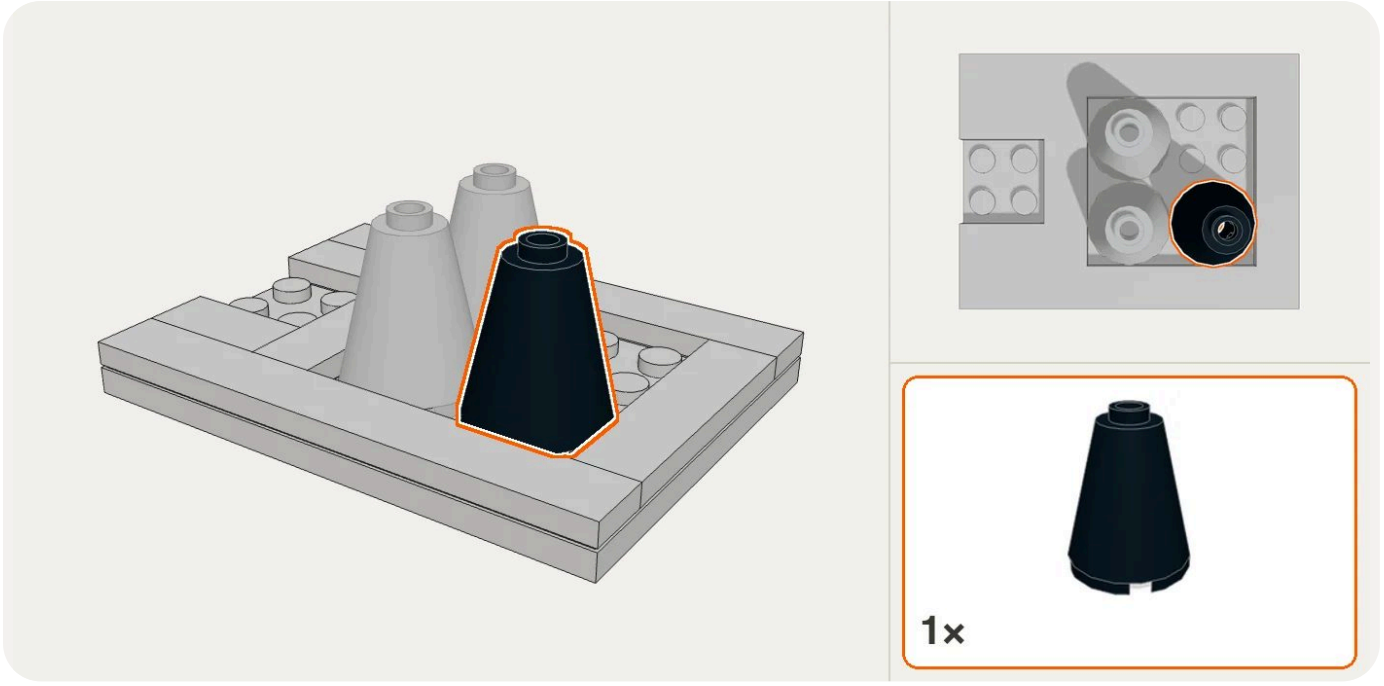
9

ADD



1× Cone 2x2 x 2 with Hollow Stud Open

Black



Step

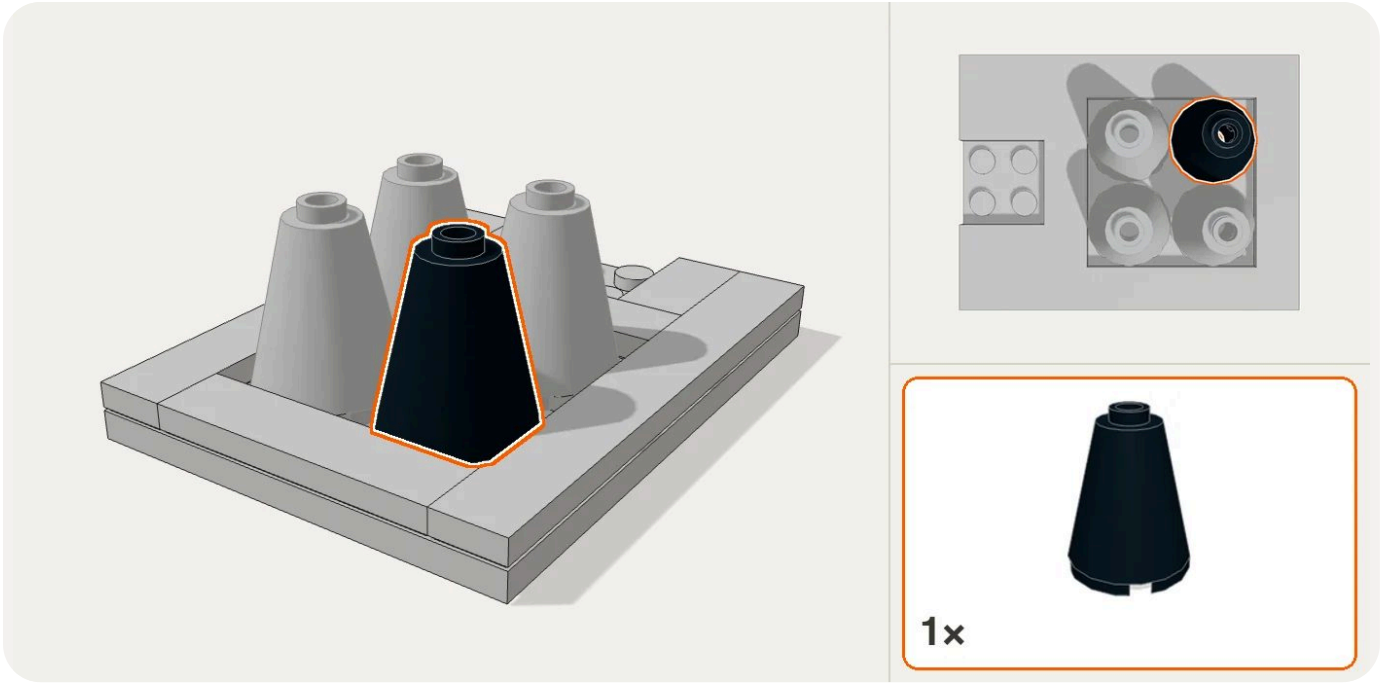
10

ADD



1× Cone 2x2 x 2 with Hollow Stud Open

Black



Step

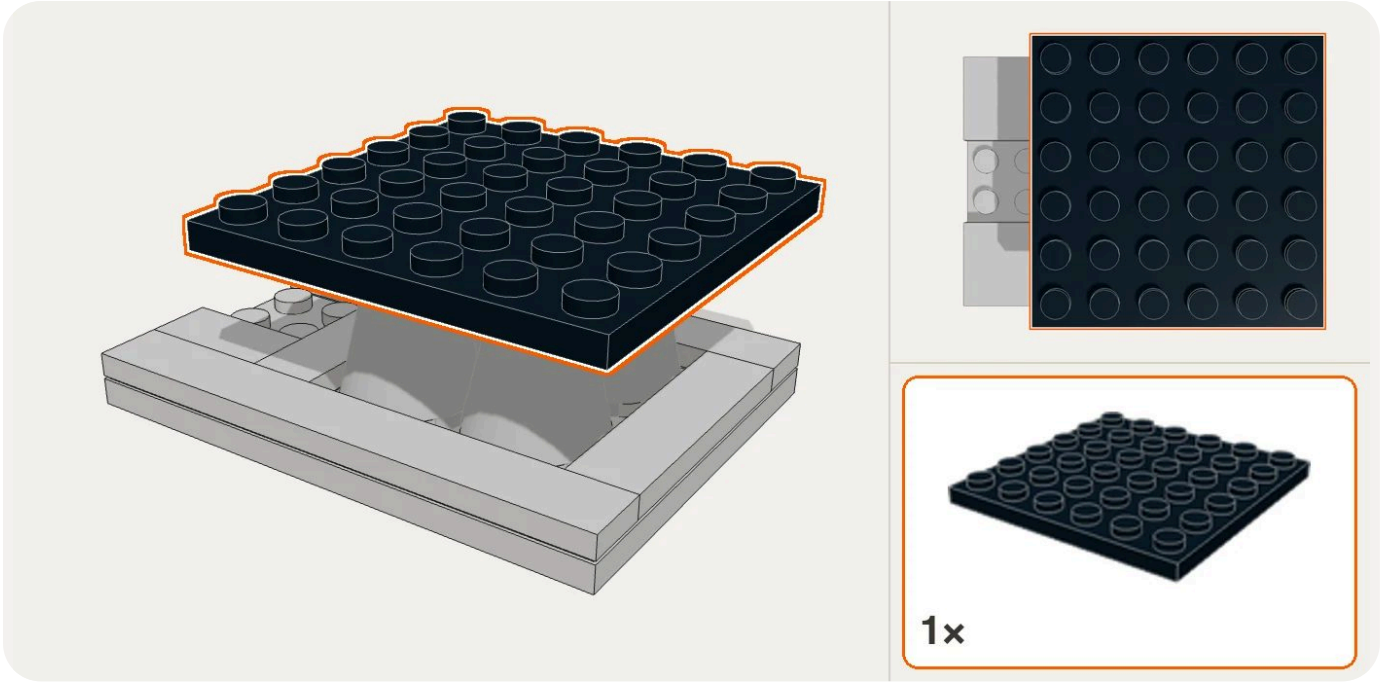
11

ADD



1× Cone 2x2 x 2 with Hollow Stud Open

● Black



Step

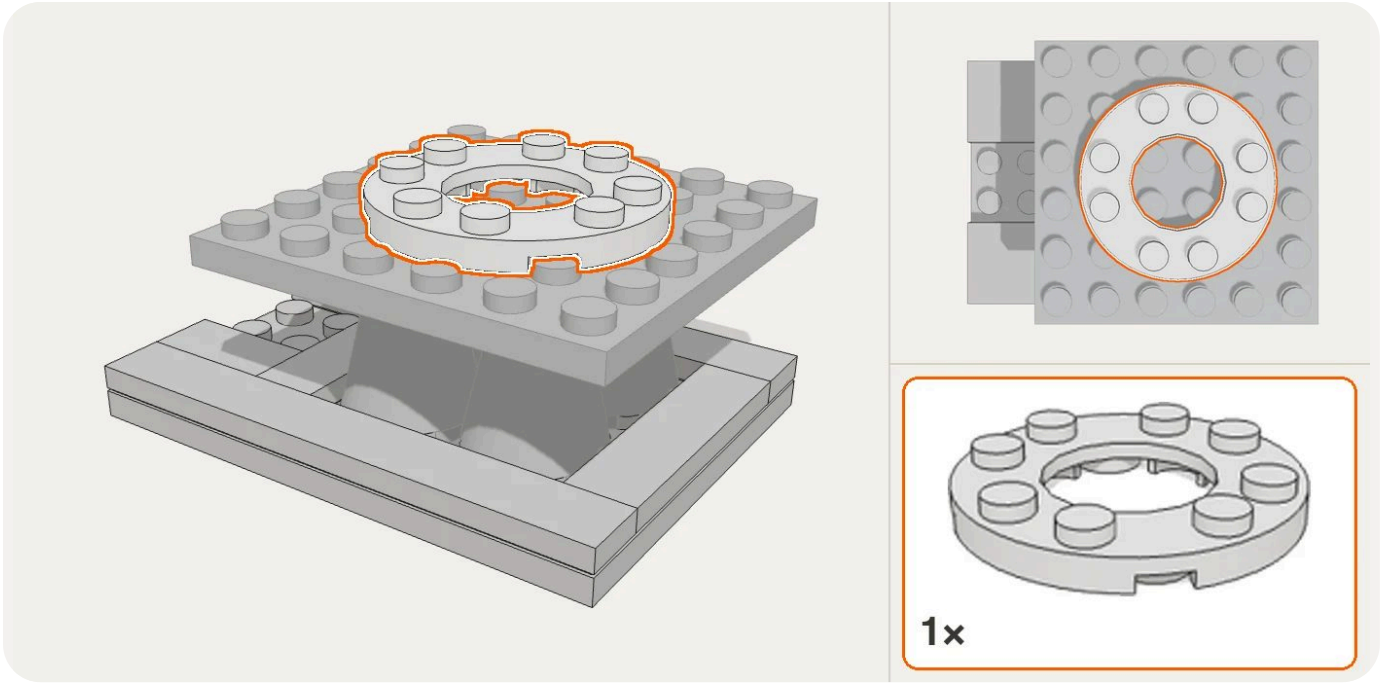
12

ADD



1× Plate 6x6

● Black



Step

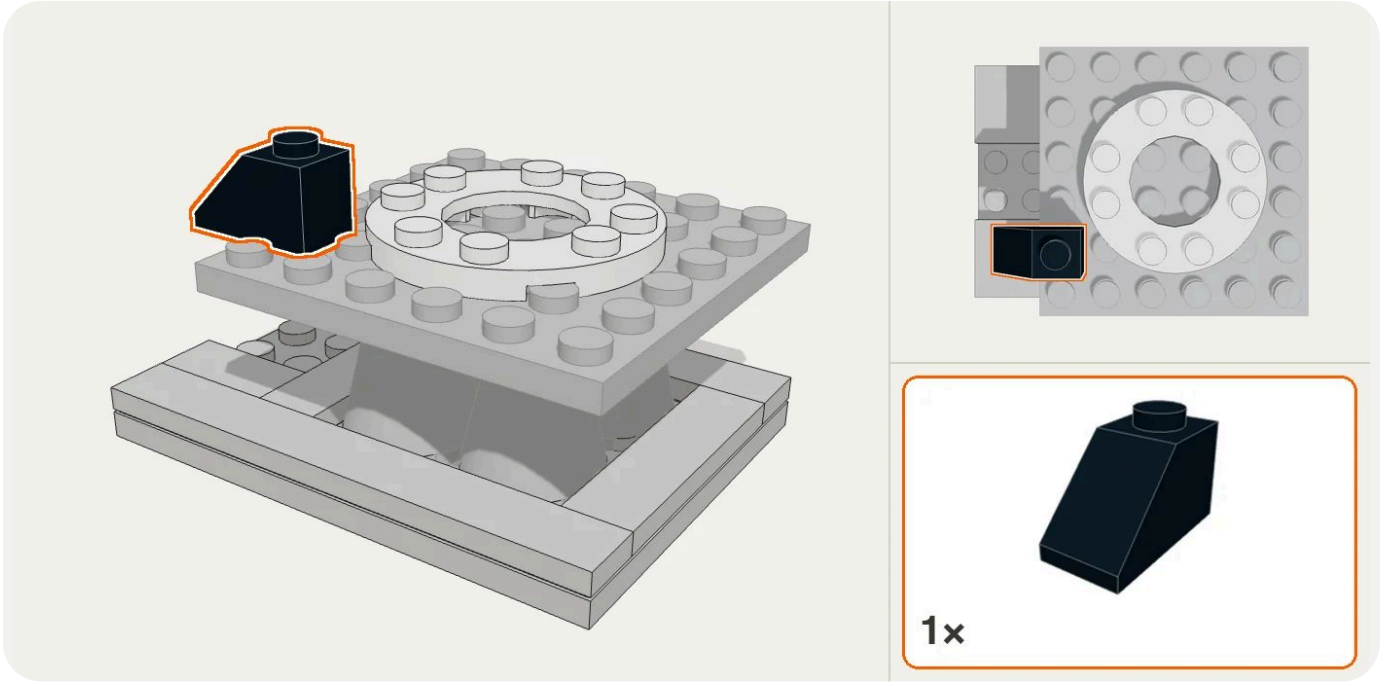
13

ADD



1× Plate 4x4 Round with 2x2 Round Hole

White



Step

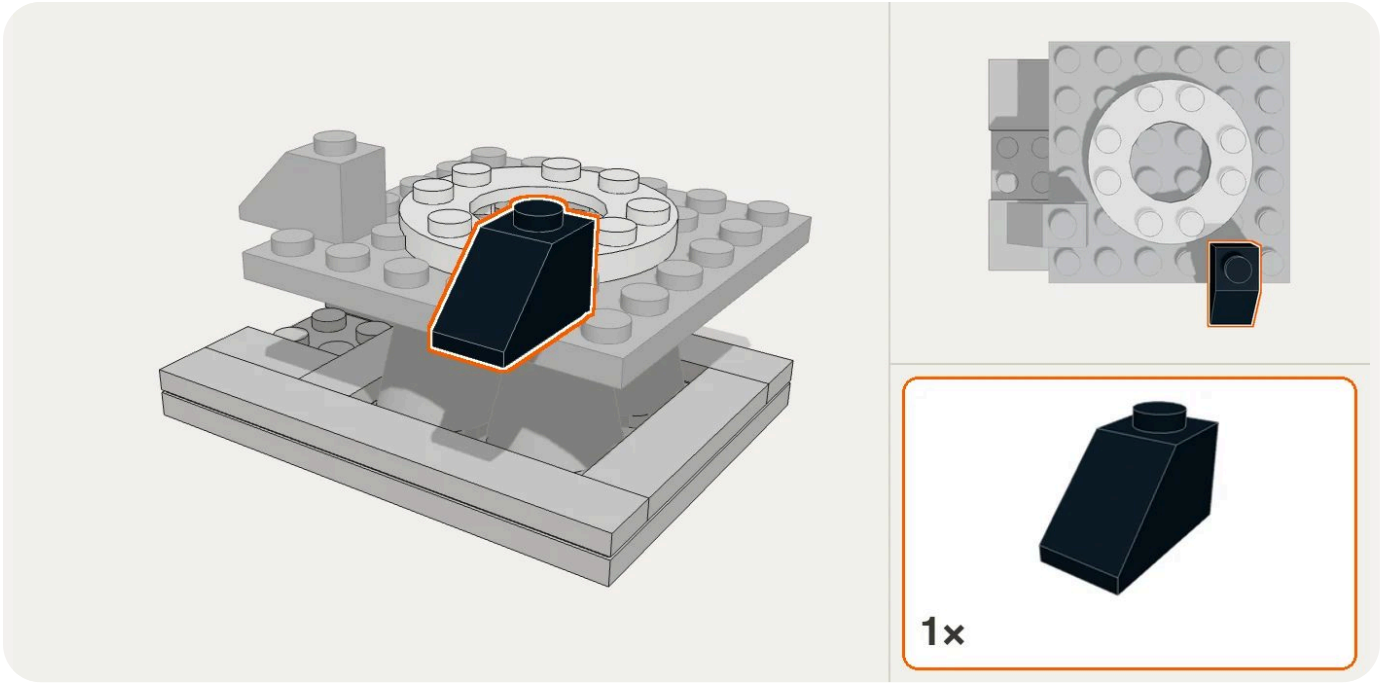
14

ADD



1× Slope Brick 45 2x1

Black



Step

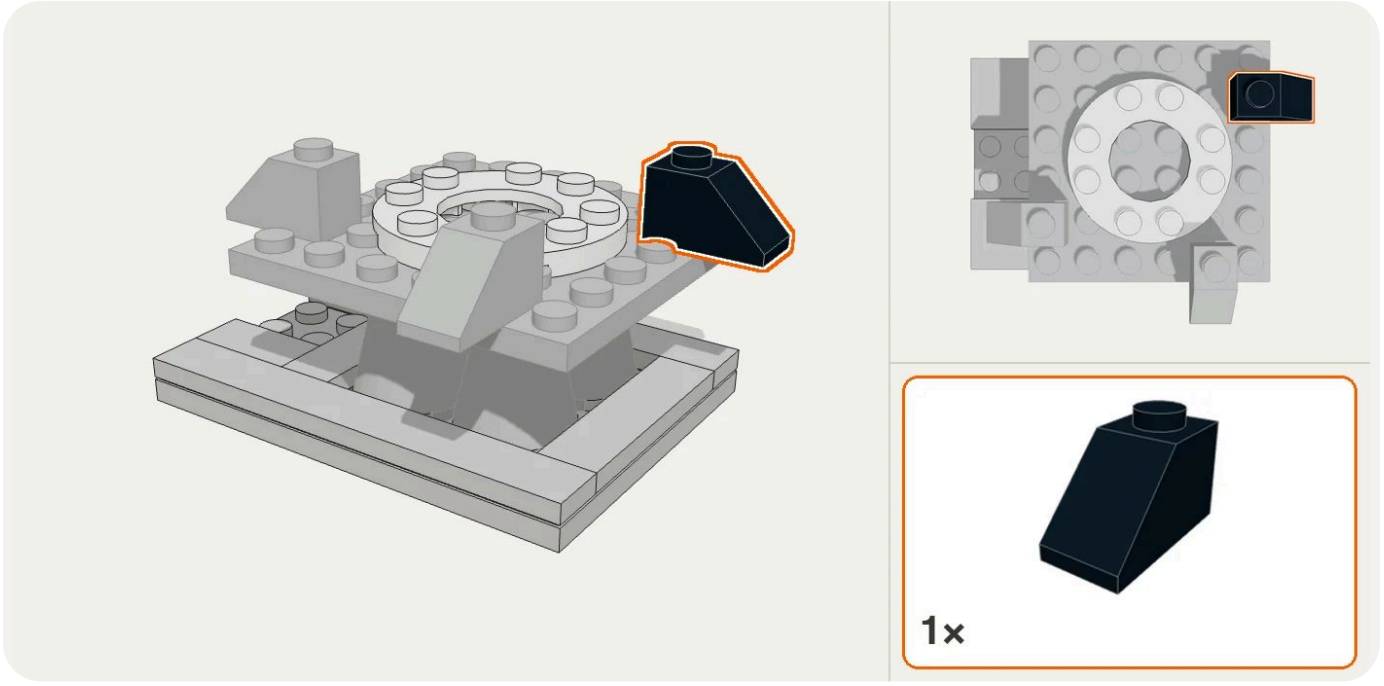
15

ADD



1× Slope Brick 45 2x1

Black



Step

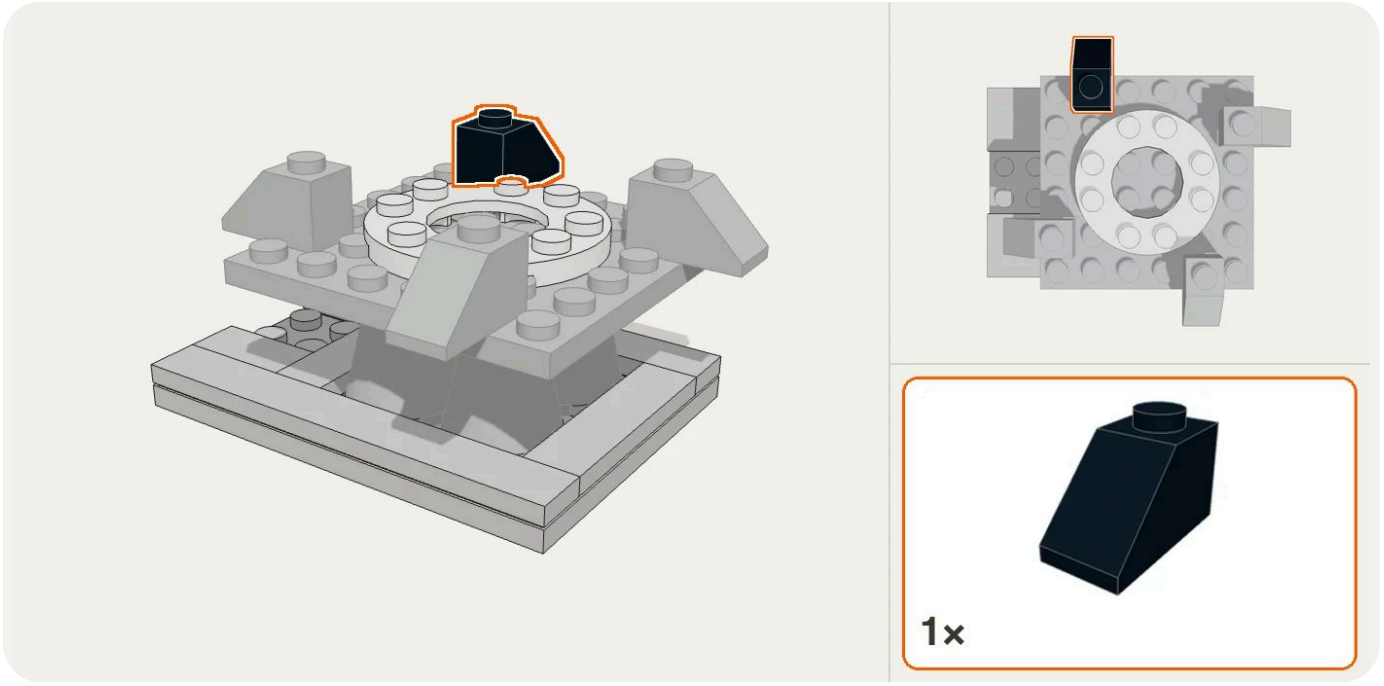
16

ADD



1× Slope Brick 45 2x1

Black



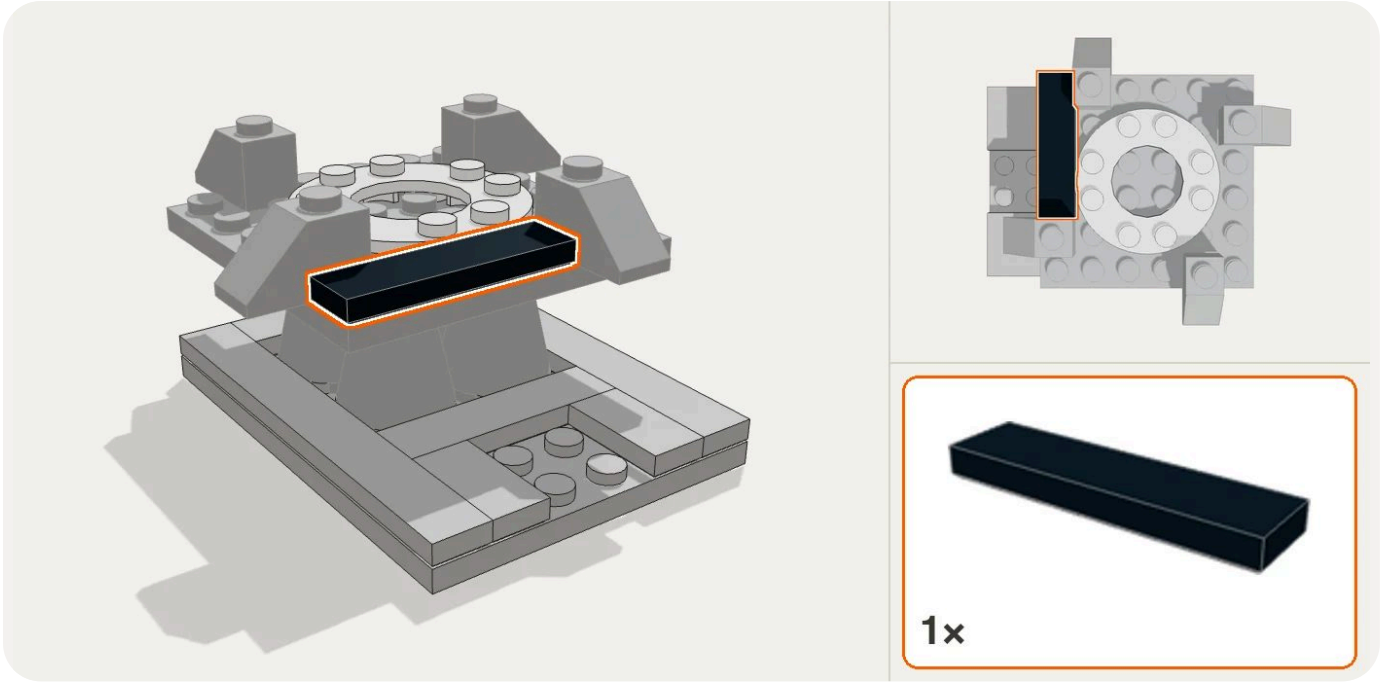
Step

17

ADD



1× Slope Brick 45 2x1
Black



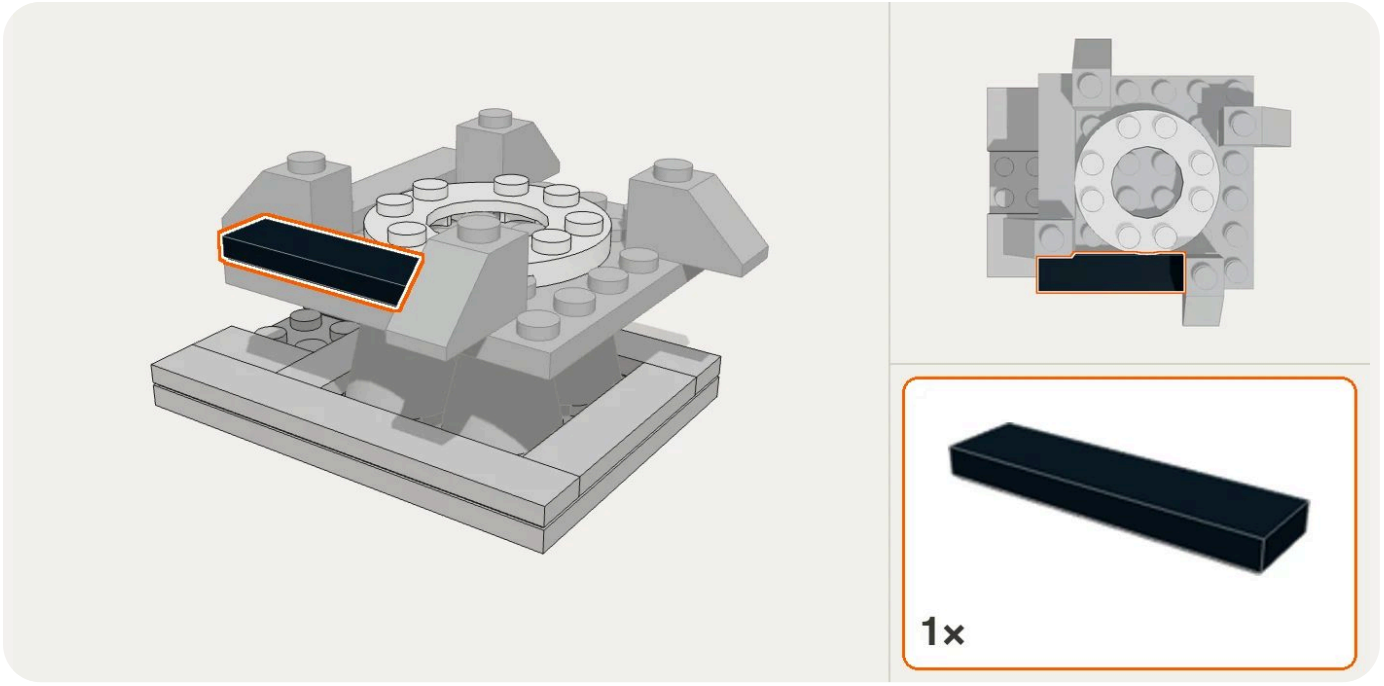
Step

18

ADD



1× Tile 1x4 with Groove
Black



Step

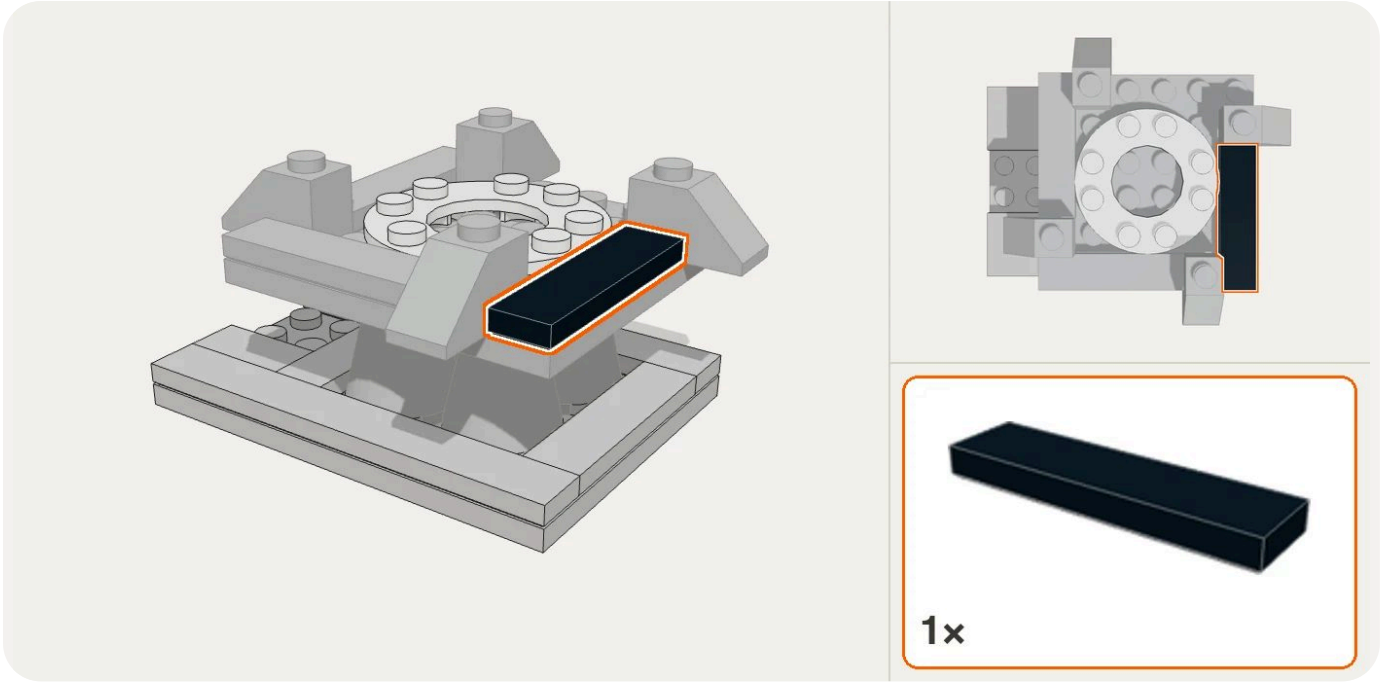
19

ADD



1× Tile 1x4 with Groove

Black



Step

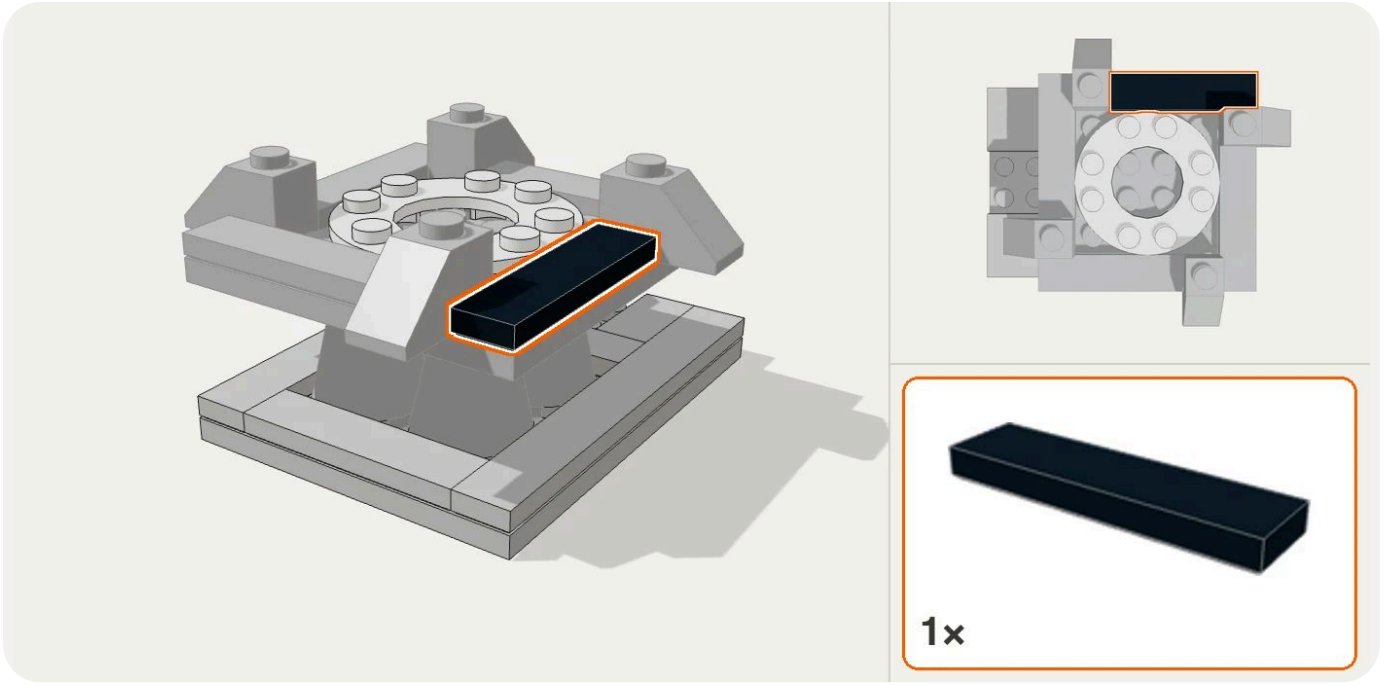
20

ADD



1× Tile 1x4 with Groove

Black



Step

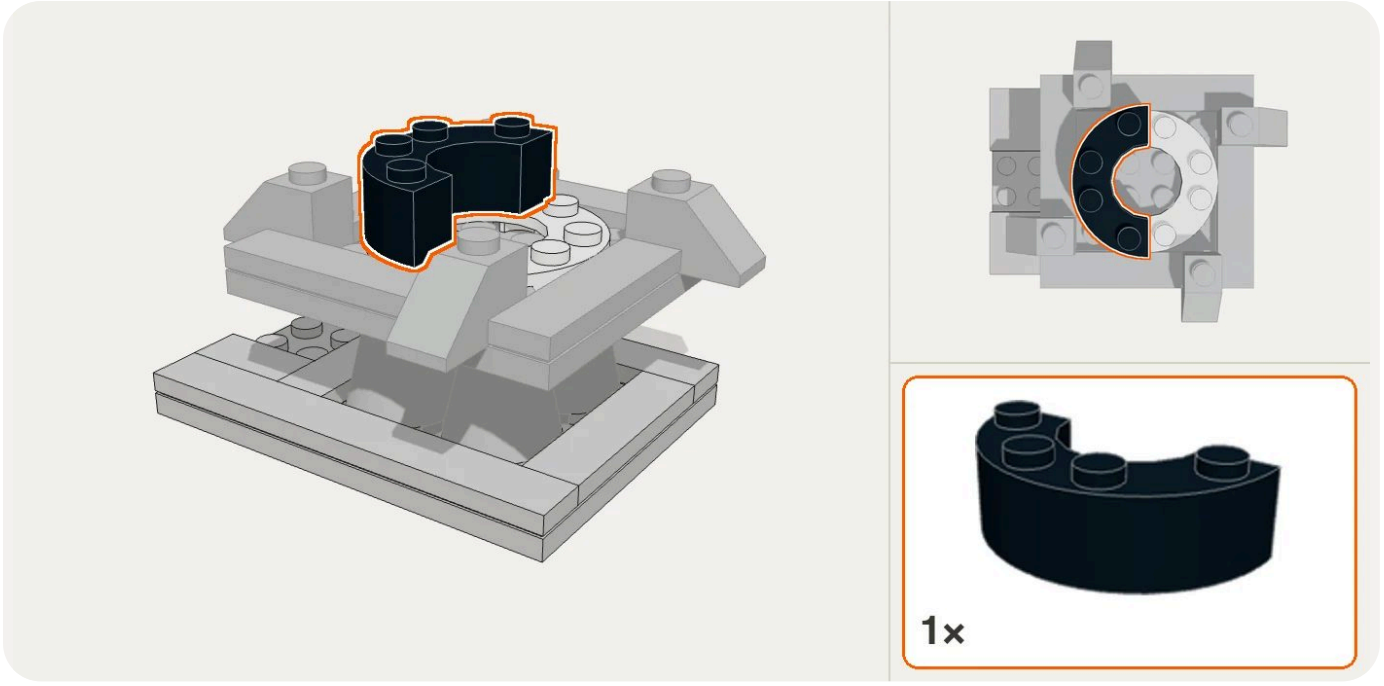
21

ADD



1× Tile 1x4 with Groove

Black



Step

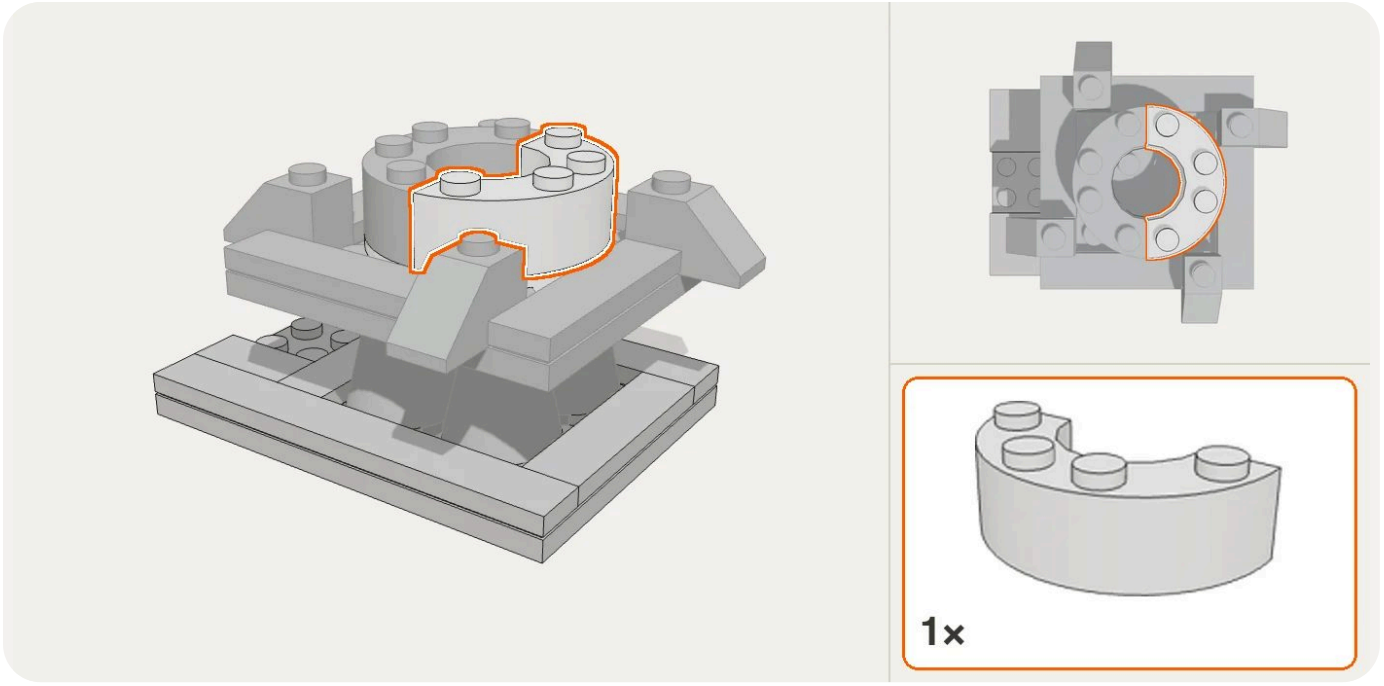
22

ADD



1× Brick 2x4 Half Round without Cutouts

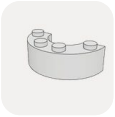
Black



Step

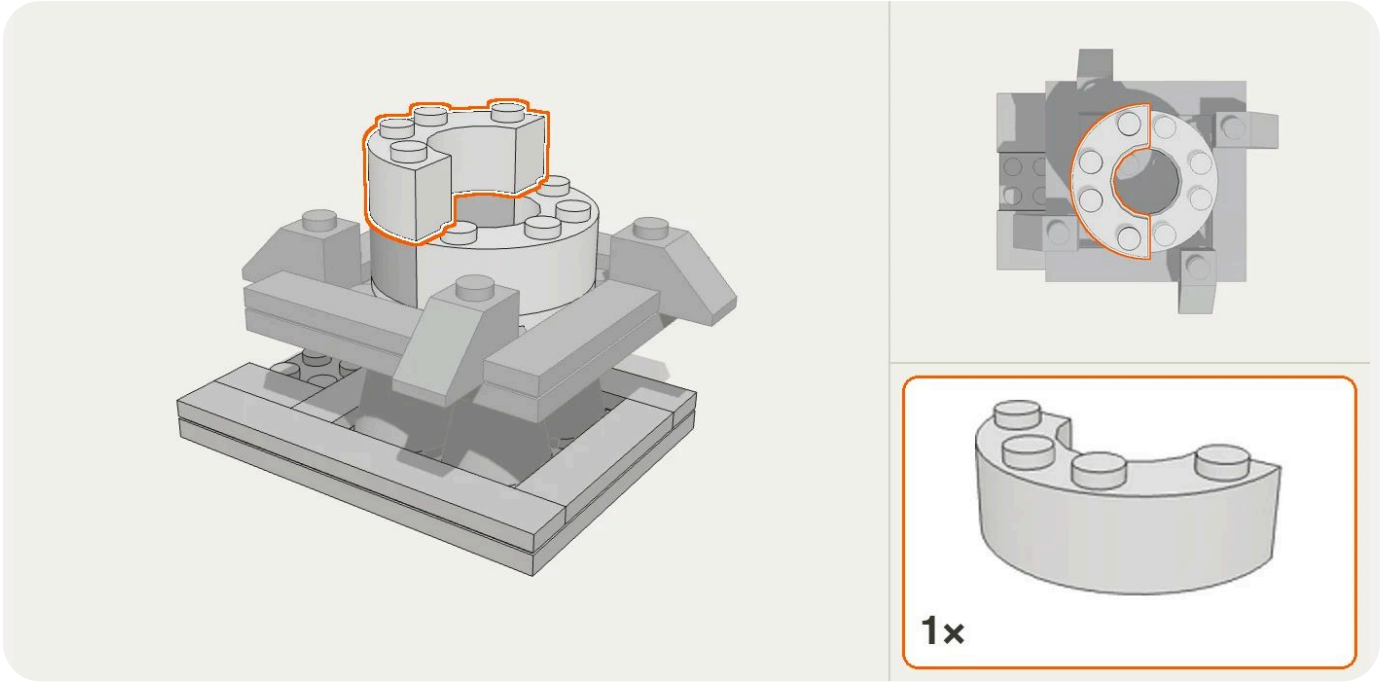
23

ADD



1× Brick 2x4 Half Round without Cutouts

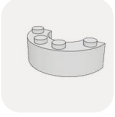
White



Step

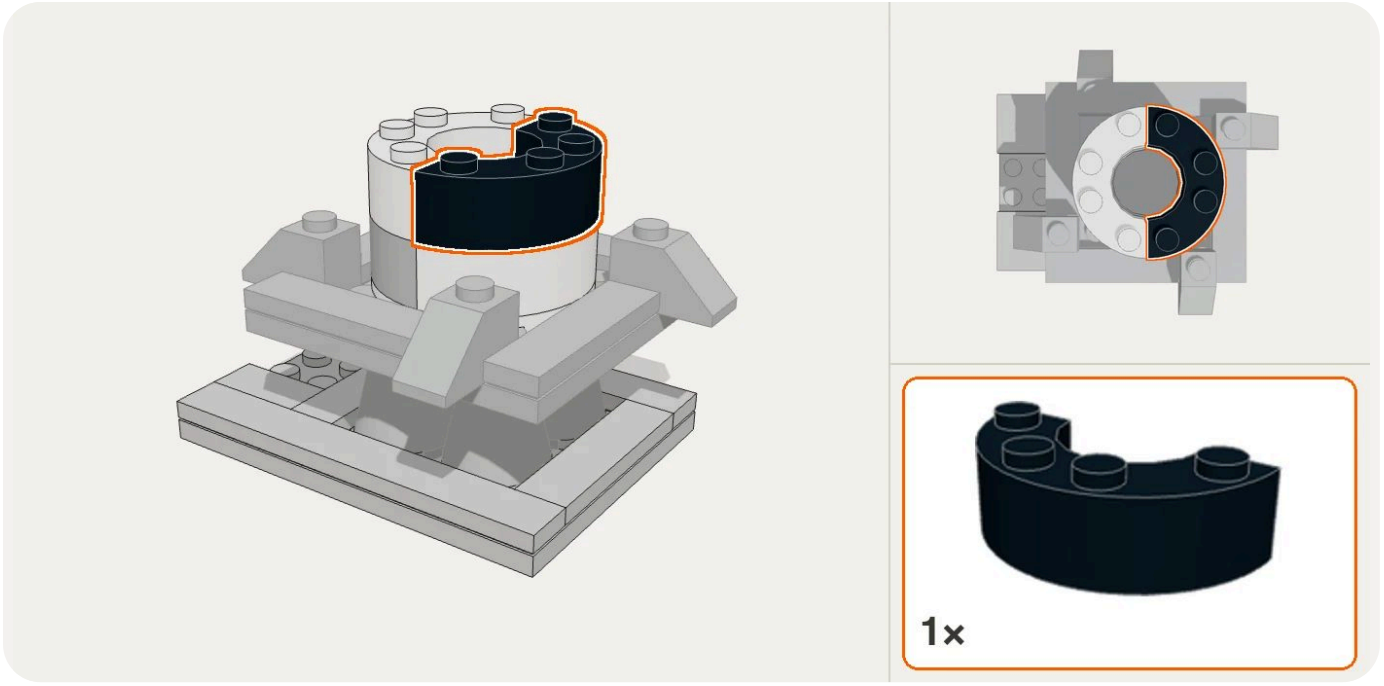
24

ADD



1× Brick 2x4 Half Round without Cutouts

White



Step

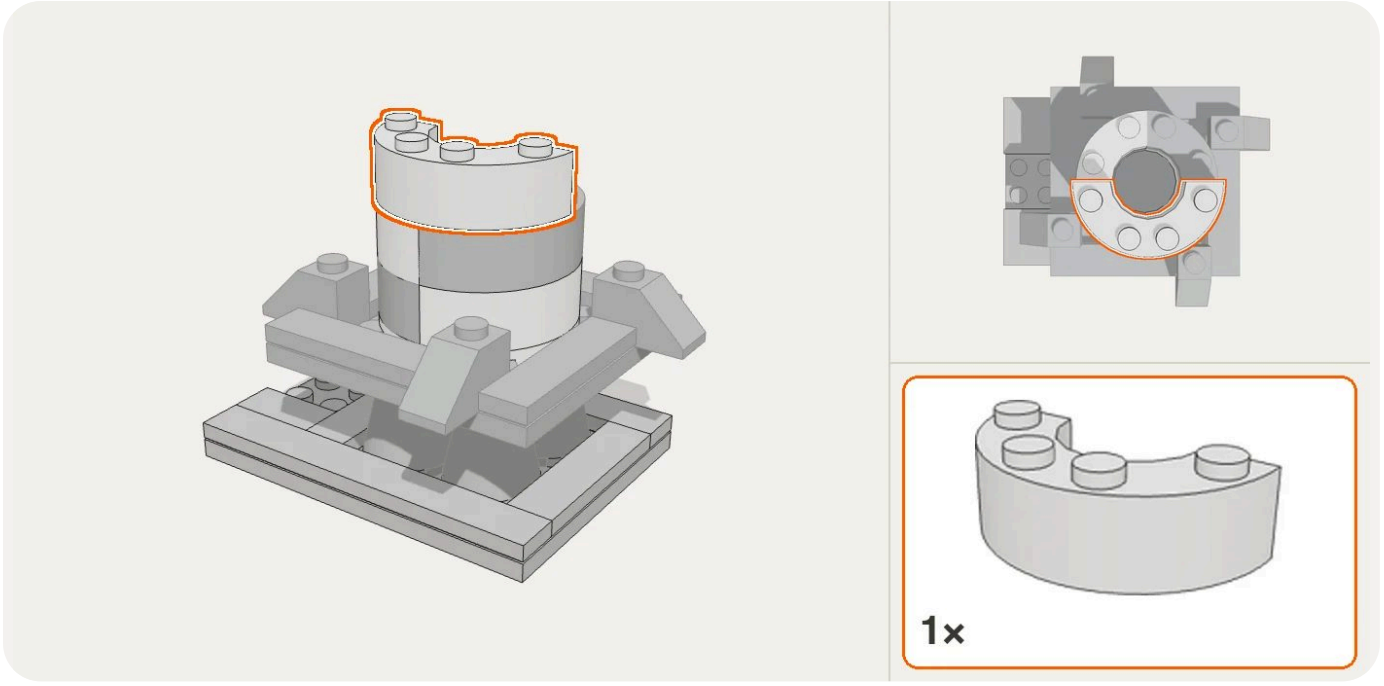
25

ADD



1× Brick 2x4 Half Round without Cutouts

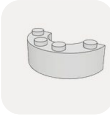
Black



Step

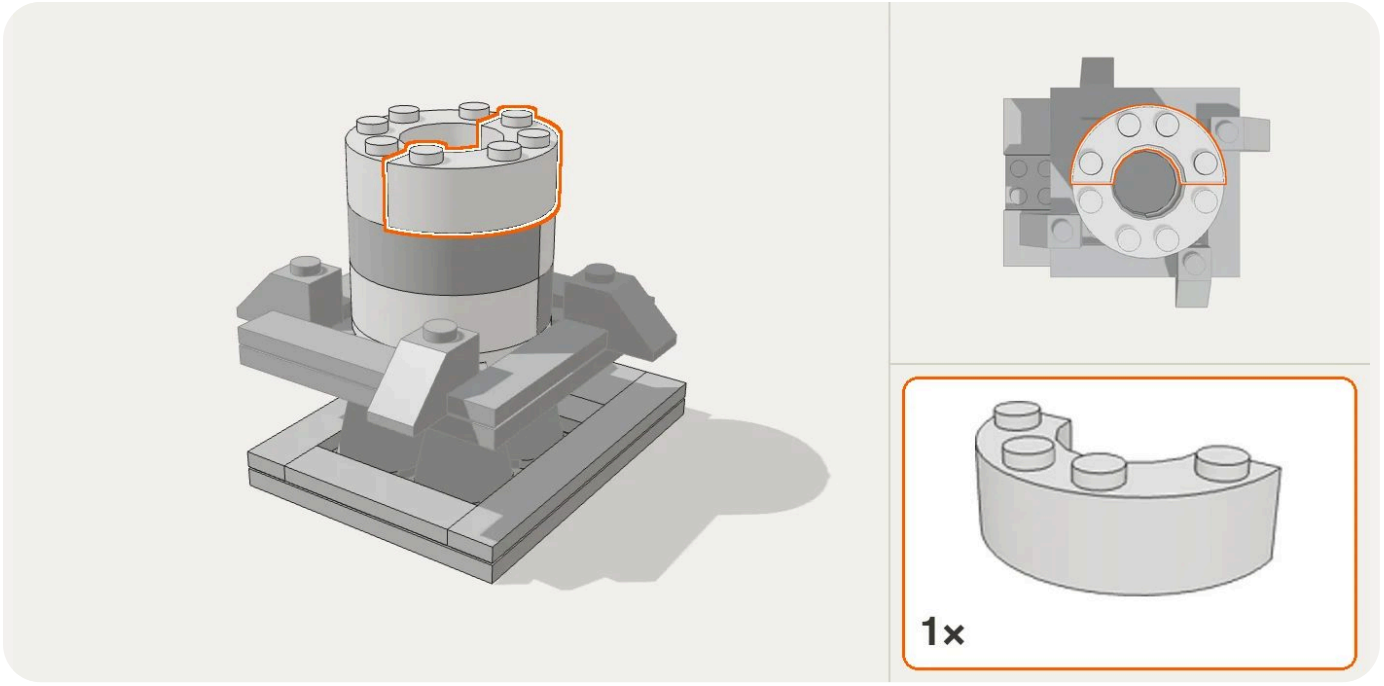
26

ADD



1× Brick 2x4 Half Round without Cutouts

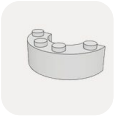
White



Step

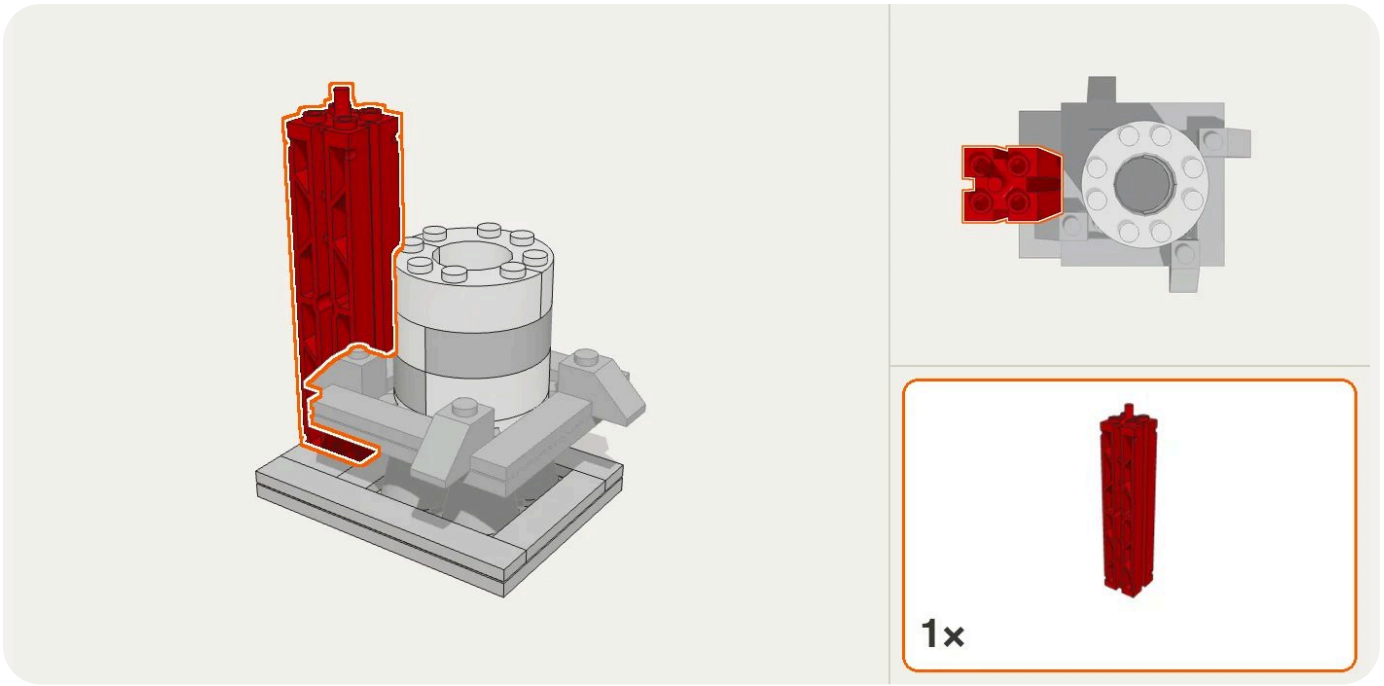
27

ADD



1× Brick 2x4 Half Round without Cutouts

White



Step

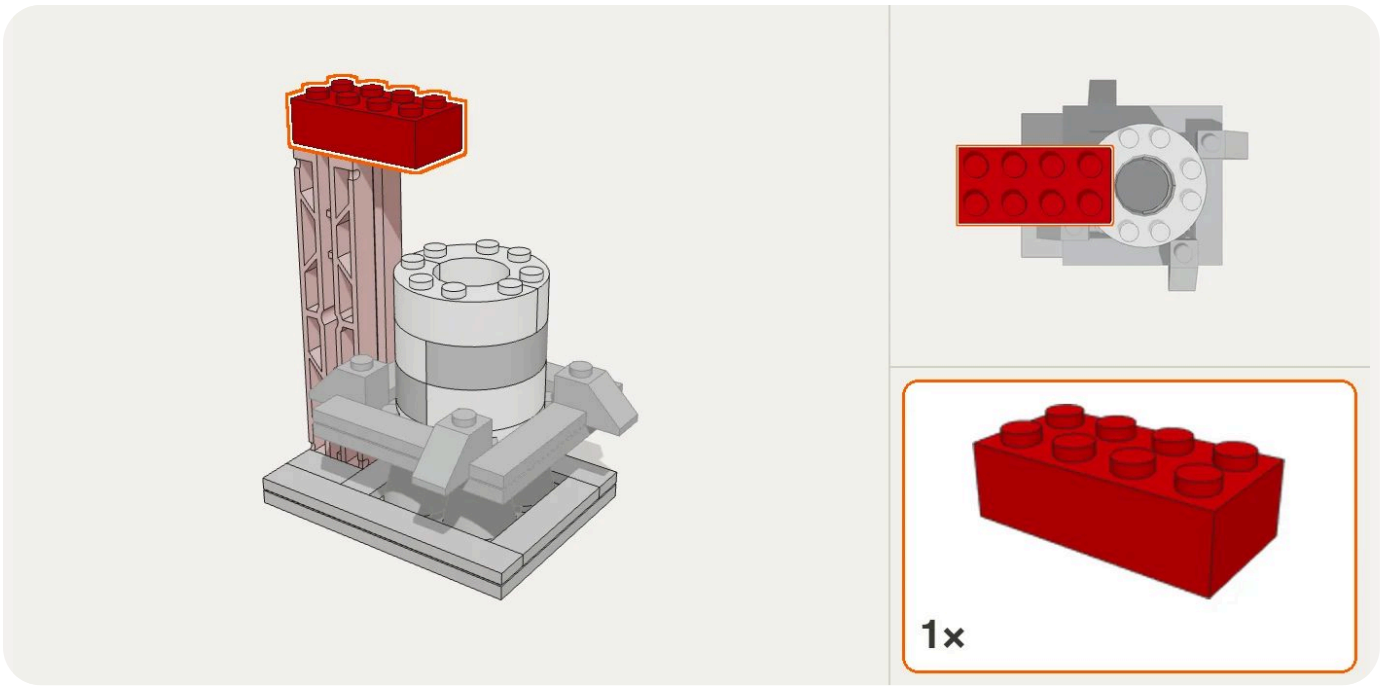
28

ADD



1× Support 2x2 x 8 Girder

Red



Step

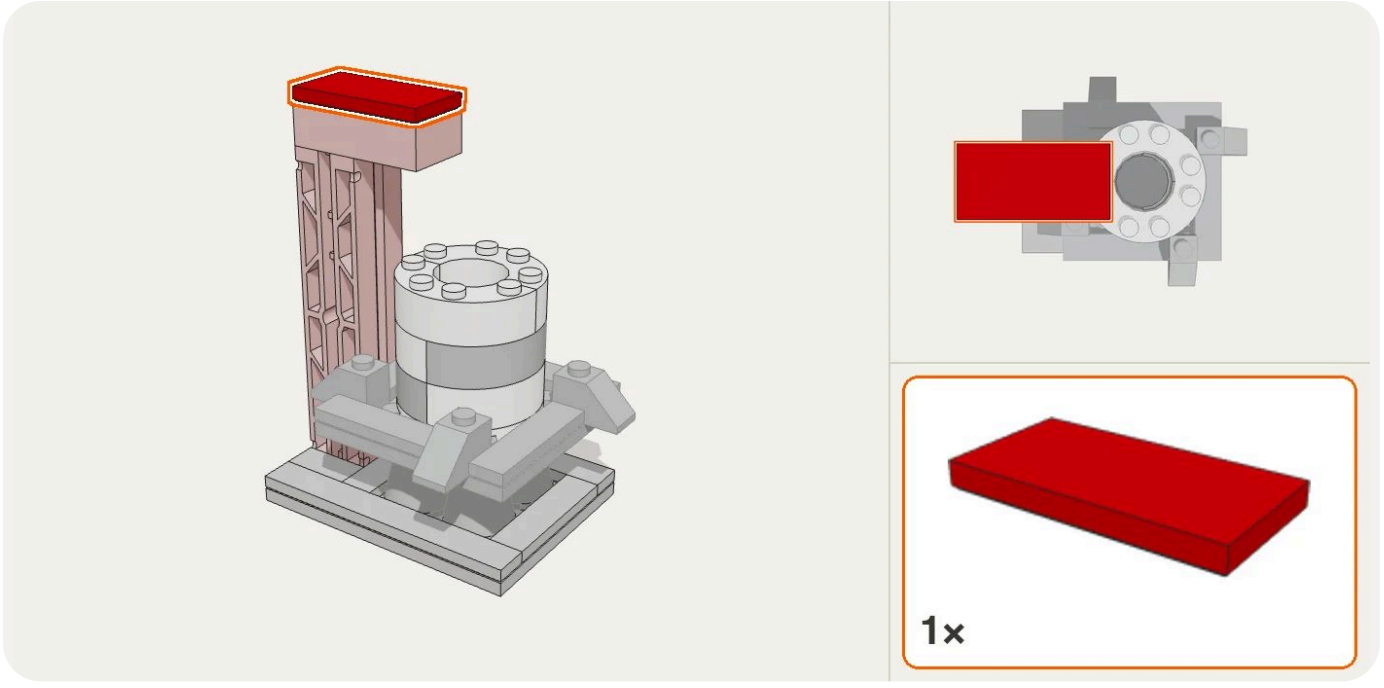
29

ADD



1× Brick 2x4

Red



Step

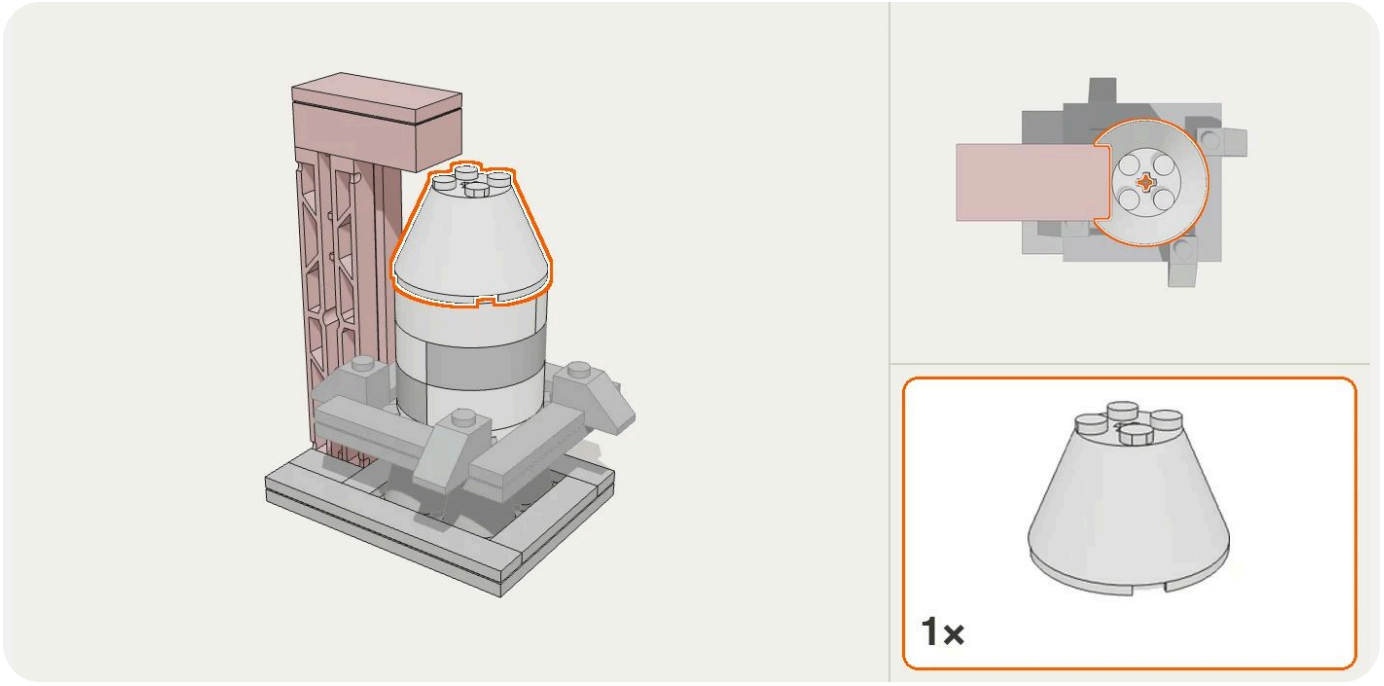
30

ADD



1× Tile 2x4

Red



Step

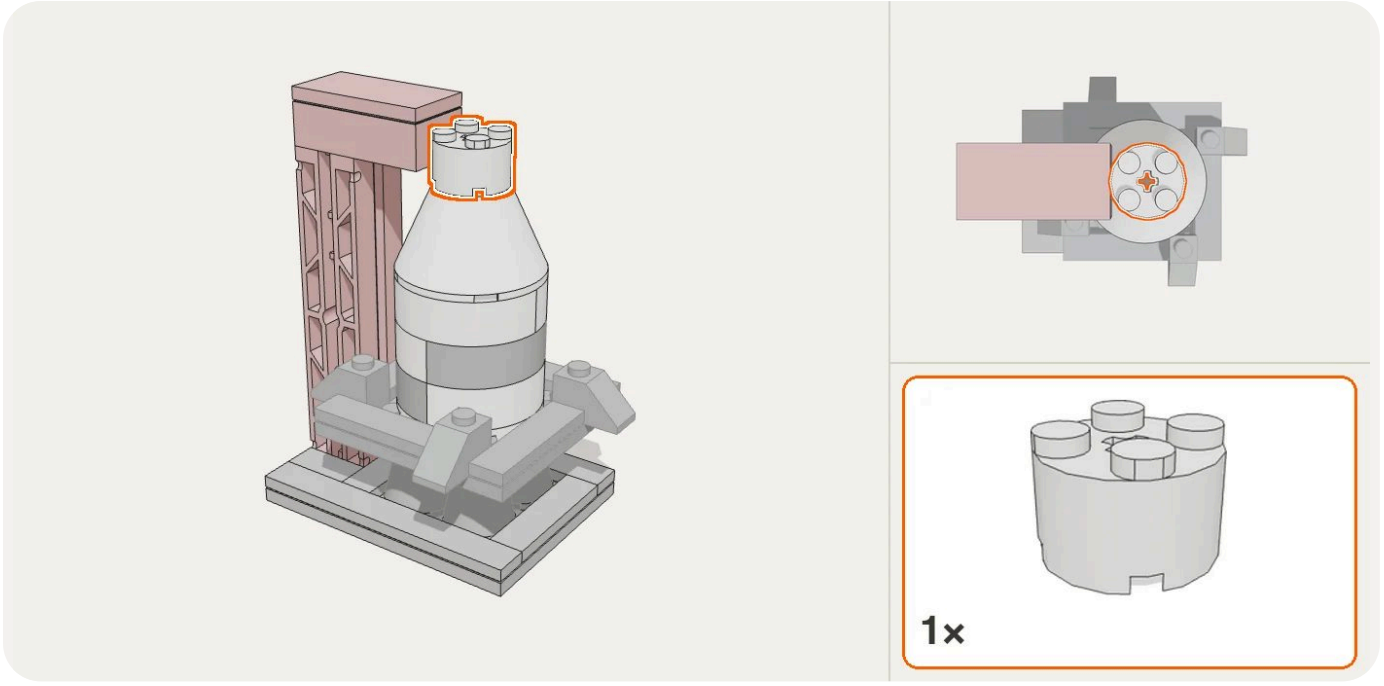
31

ADD



1× Cone 4x4 x 2 with Axlehole

White



Step

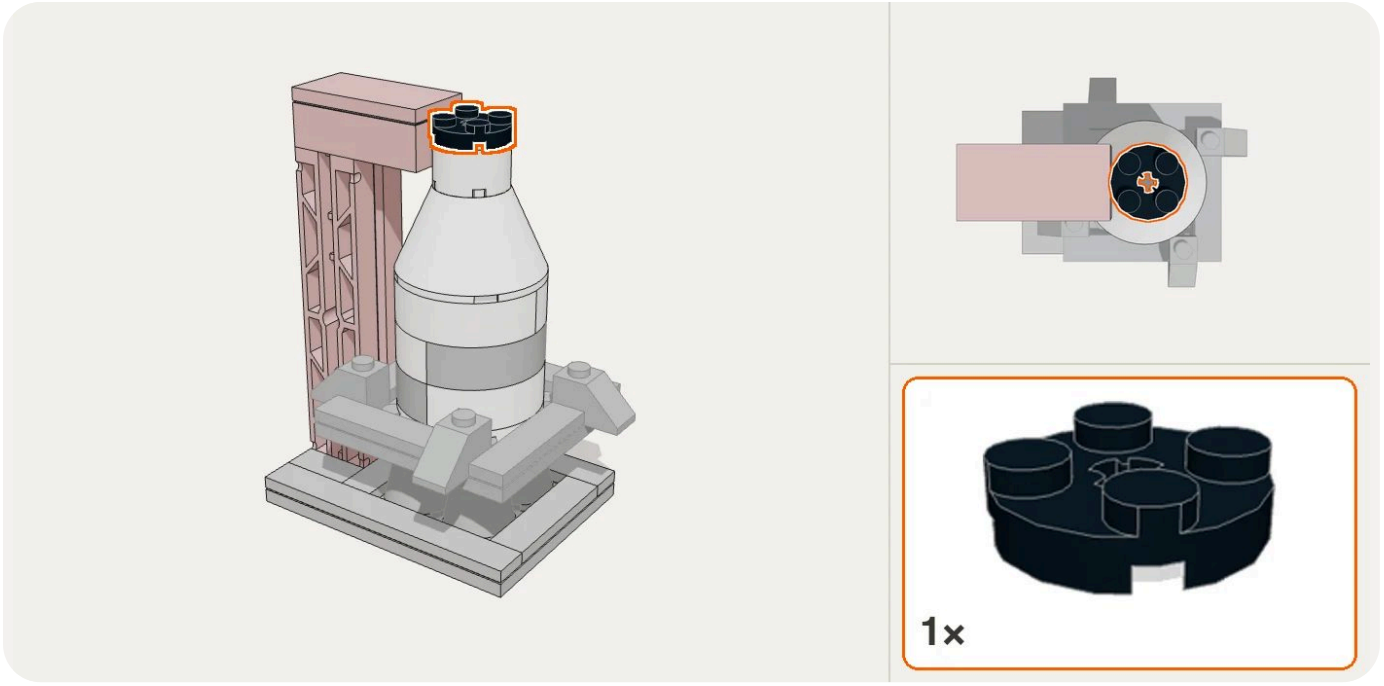
32

ADD



1× Brick 2x2 Round without Reinforcement

White



Step

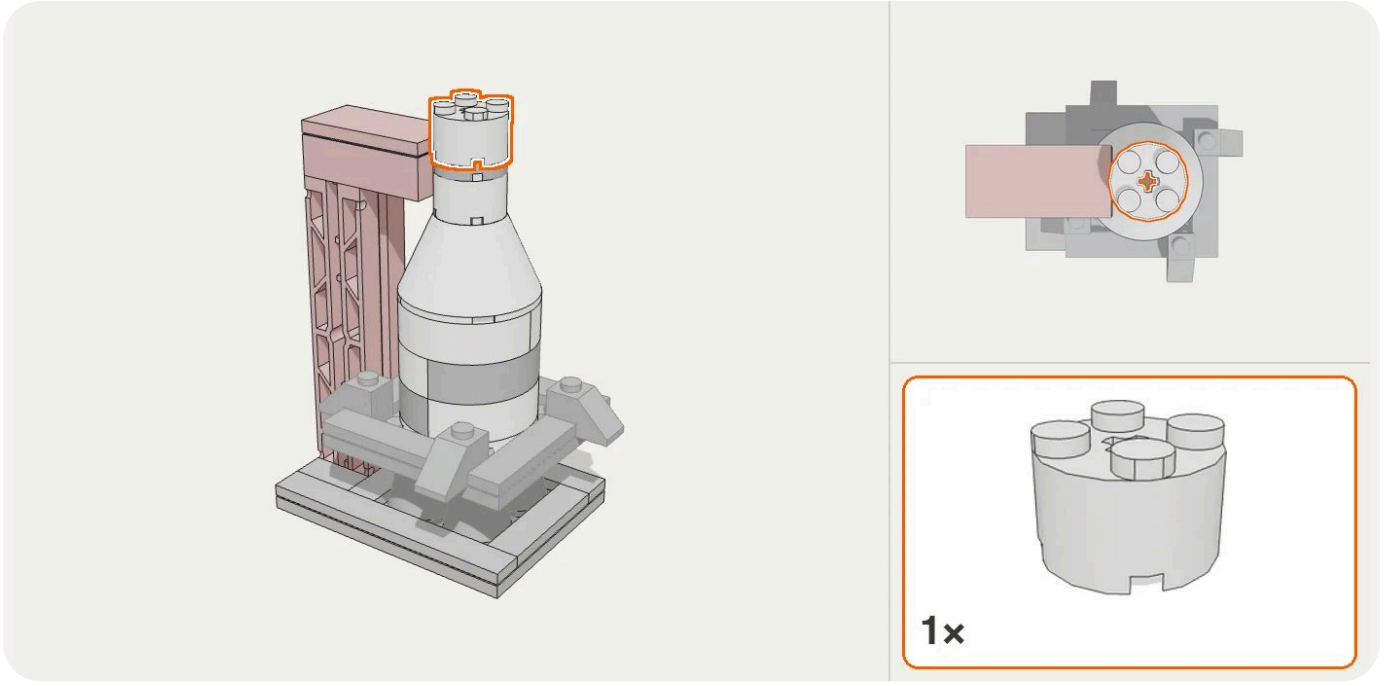
33

ADD



1× Plate 2x2 Round with Reduced Axlehole

Black



Step

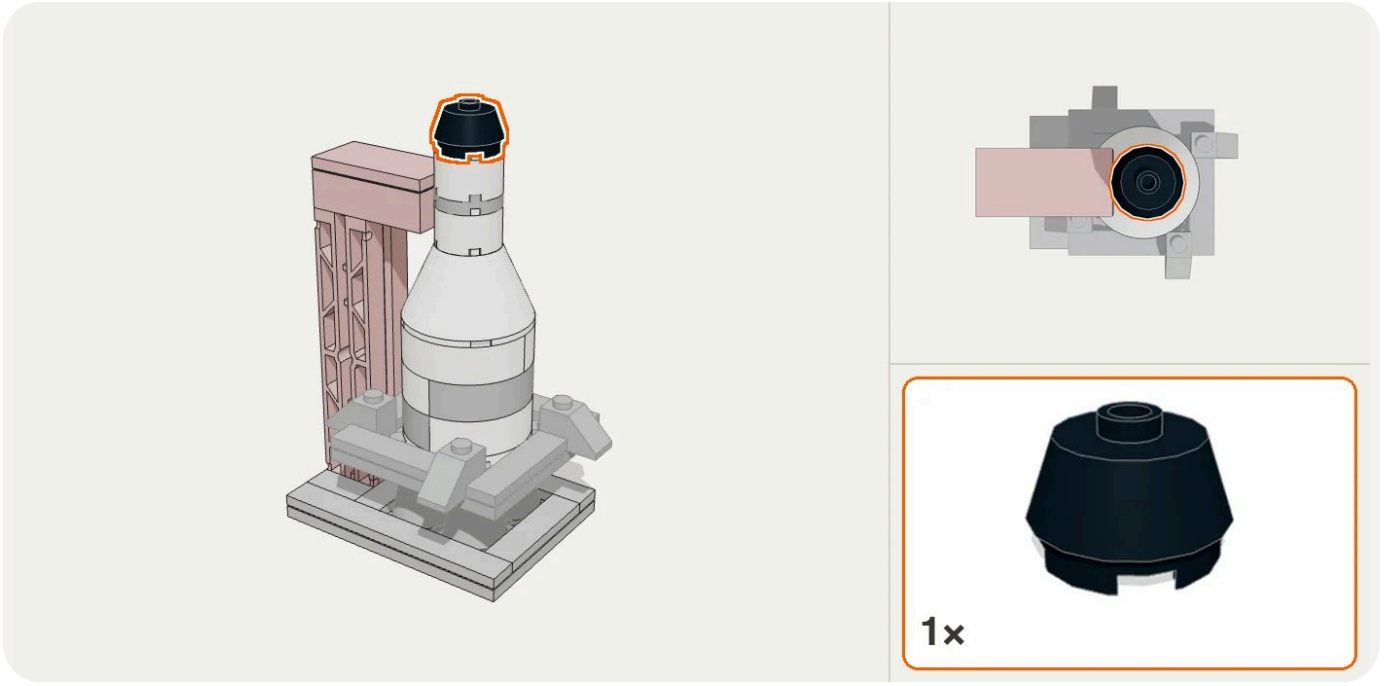
34

ADD



1× Brick 2x2 Round without Reinforcement

White



Step

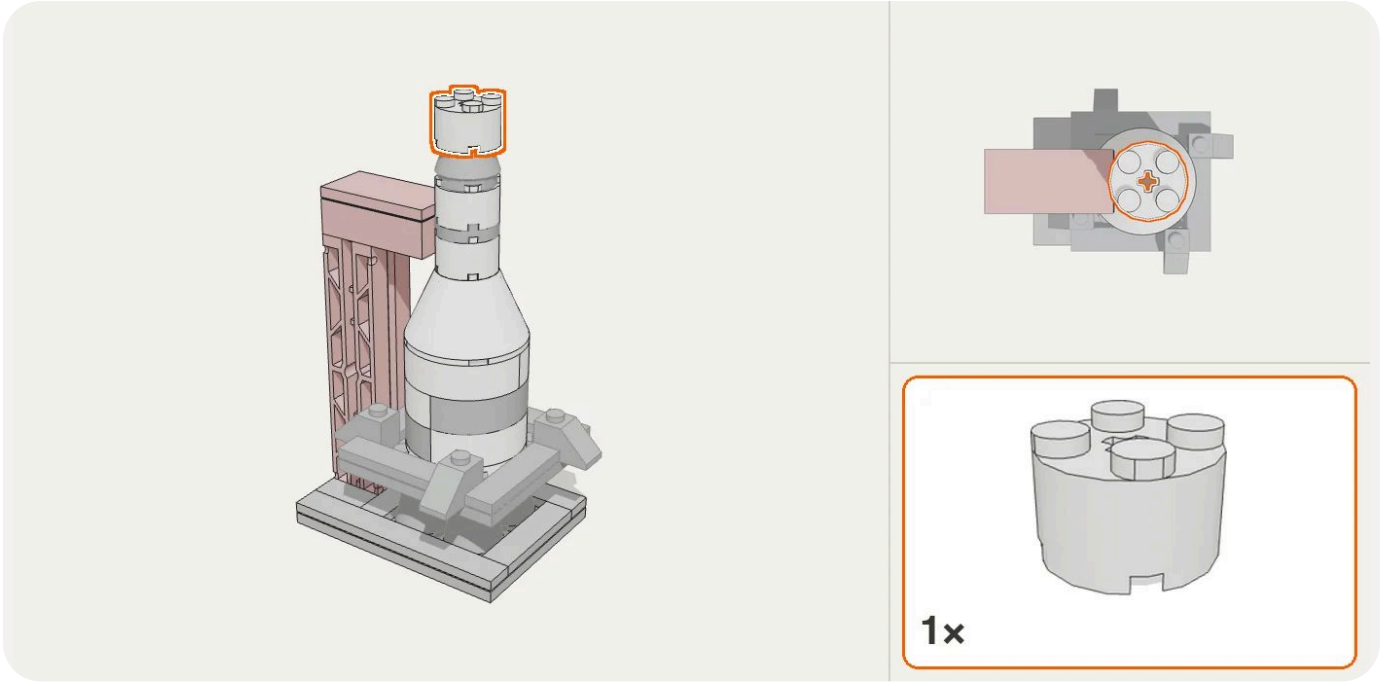
35

ADD



1× Cone 2x2 Truncated

Black



Step

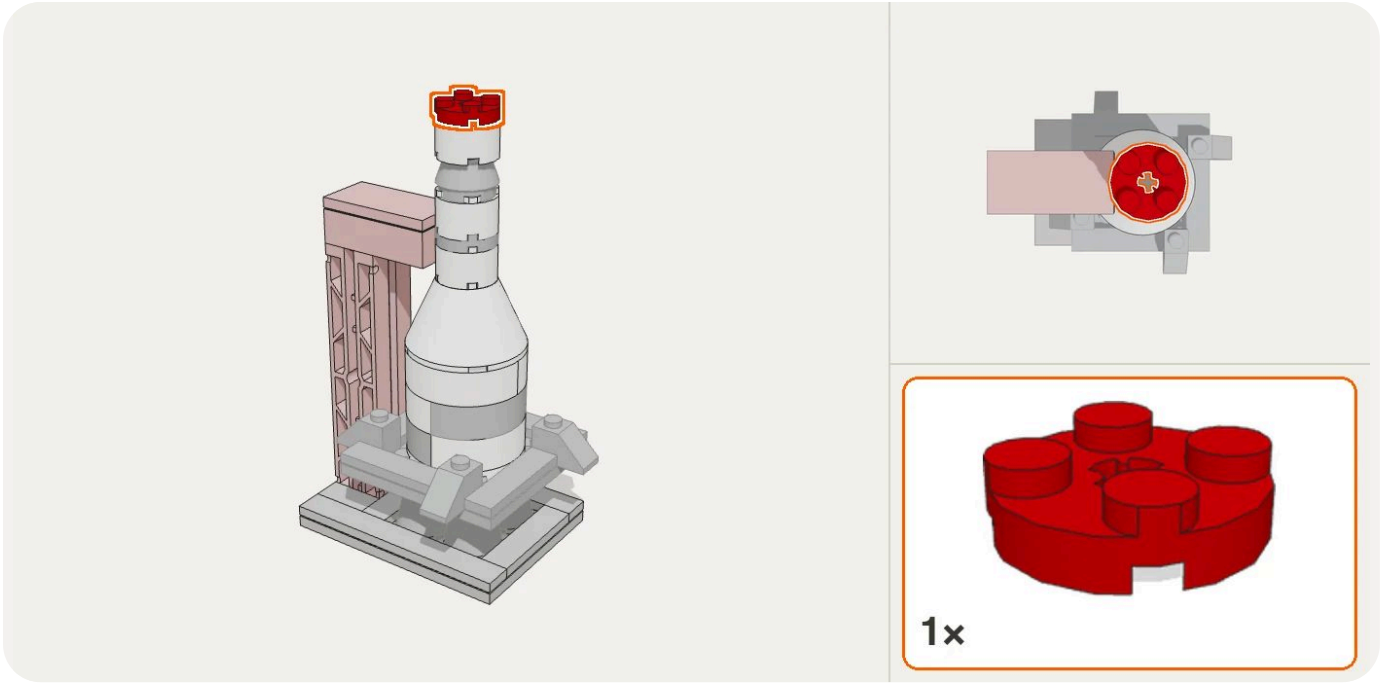
36

ADD



1× Brick 2x2 Round without Reinforcement

White



Step

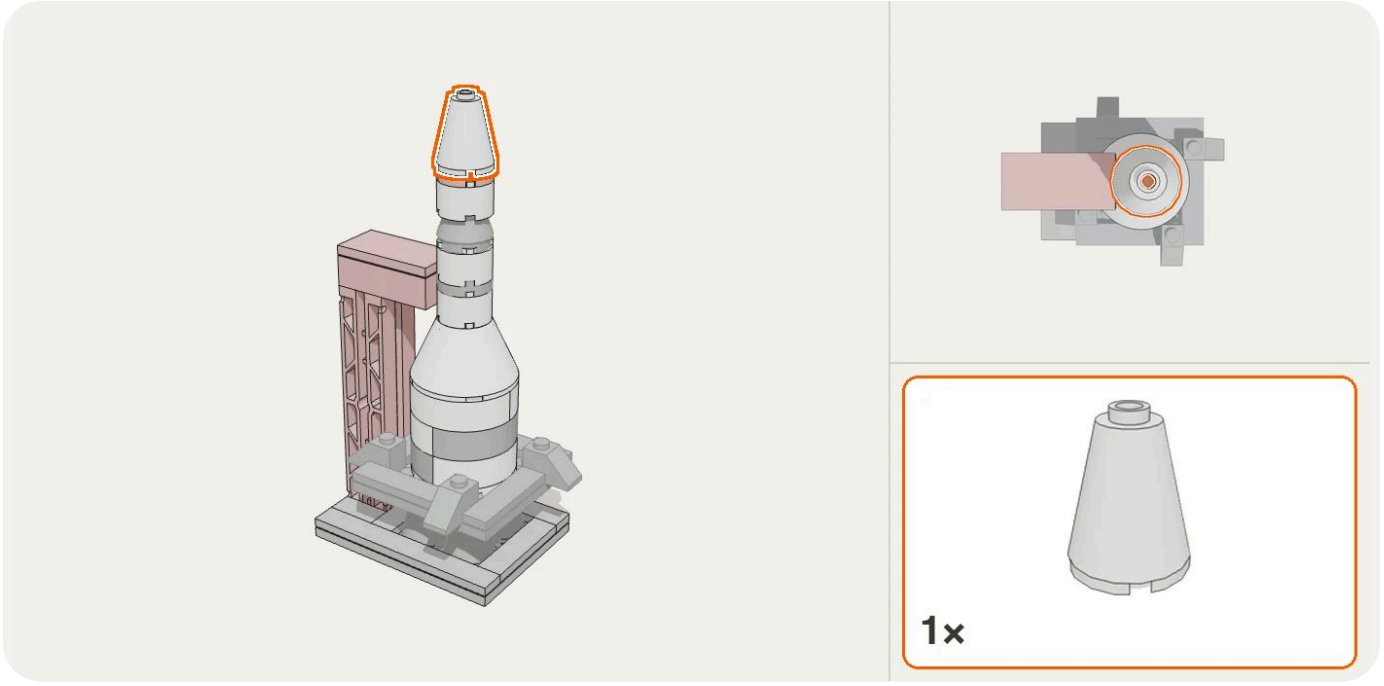
37

ADD



1× Plate 2x2 Round with Reduced Axlehole

Red



Step

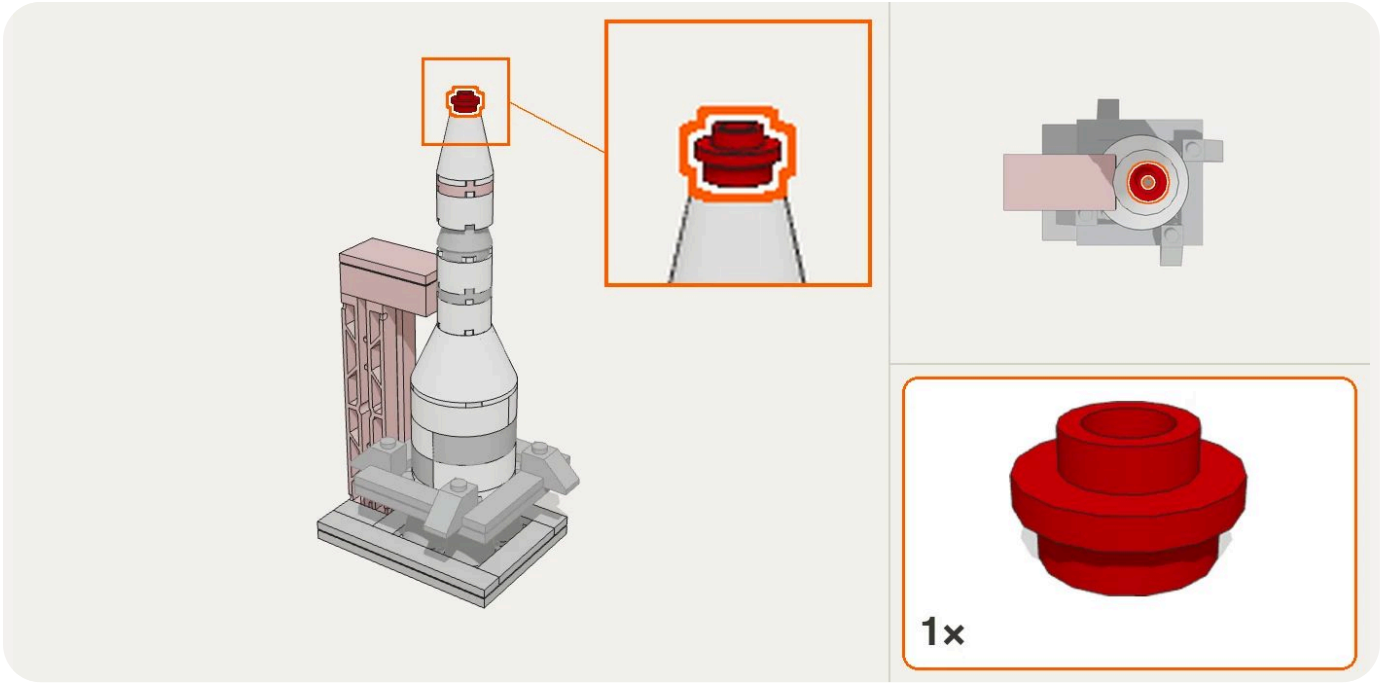
38

ADD



1× Cone 2x2 x 2 with Hollow Stud Open

White



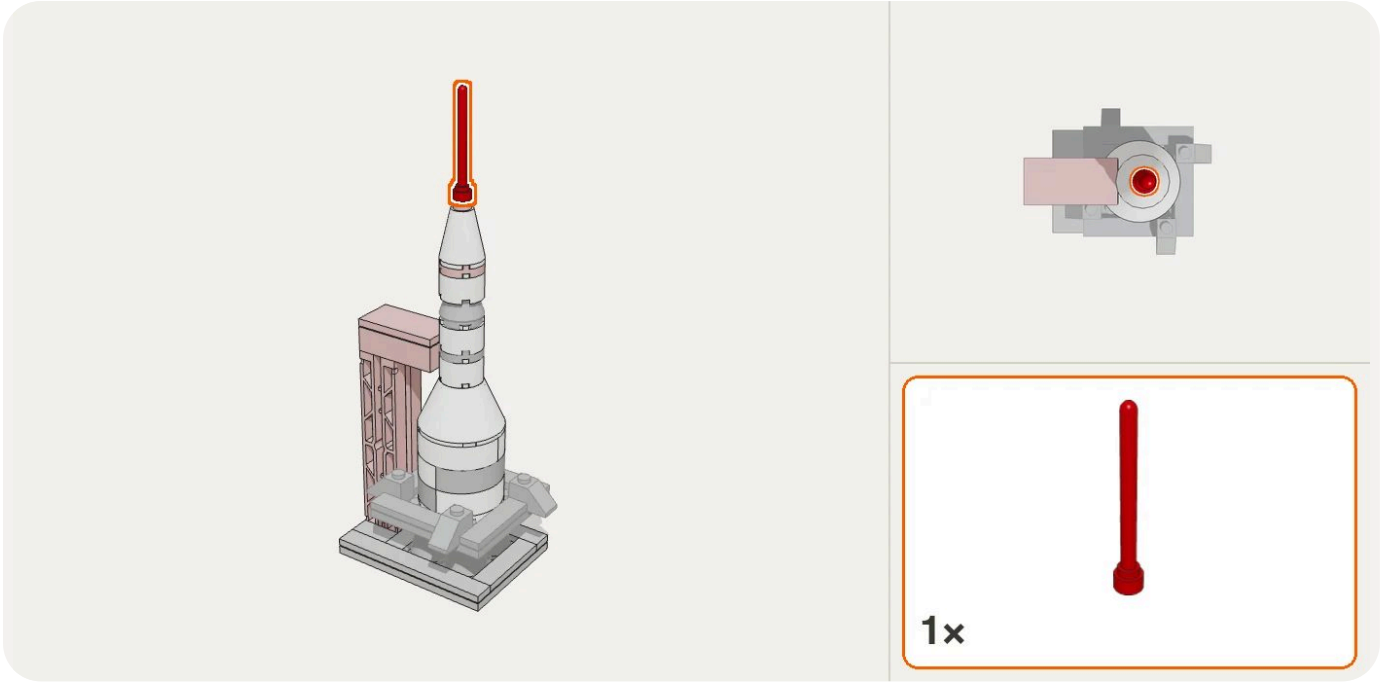
Step

39

ADD



1× Plate 1x1 Round with Open Stud
Red



Step

40

ADD



1× Antenna 4H with Rounded Top
Red