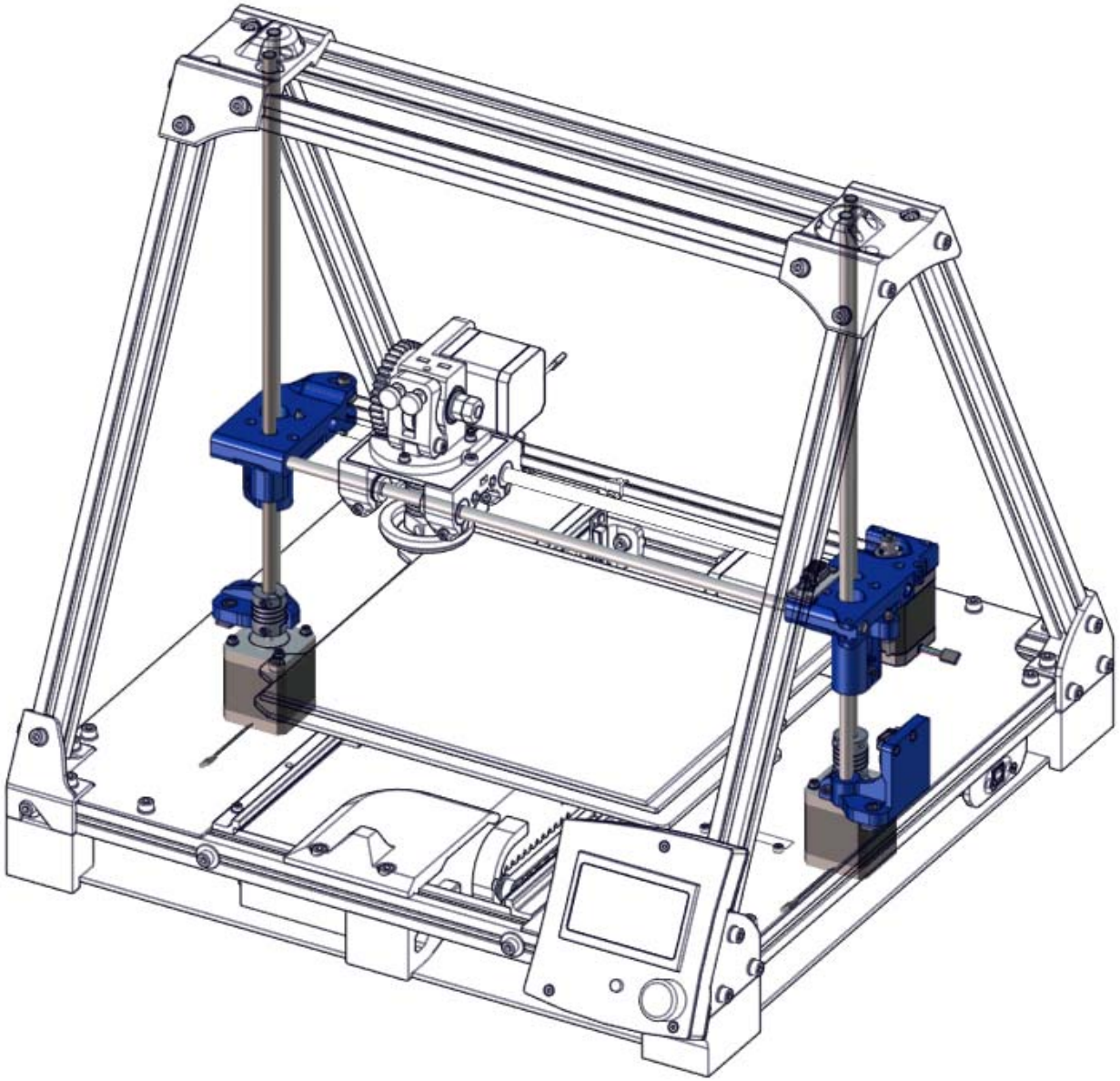
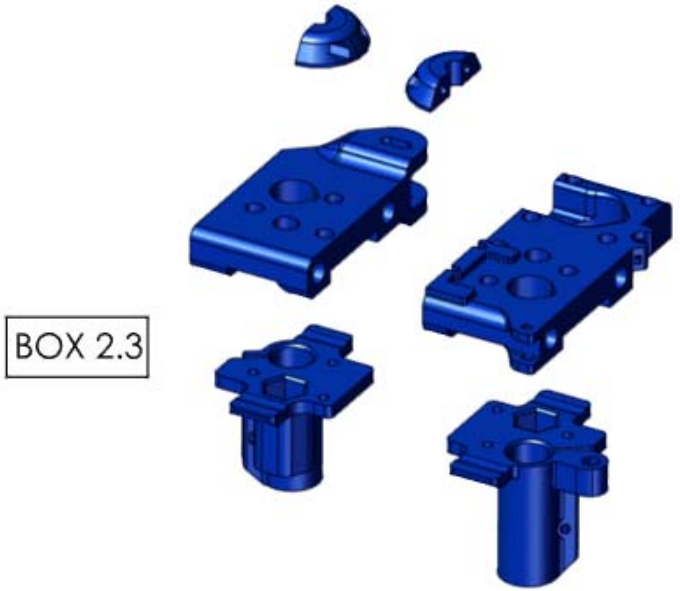
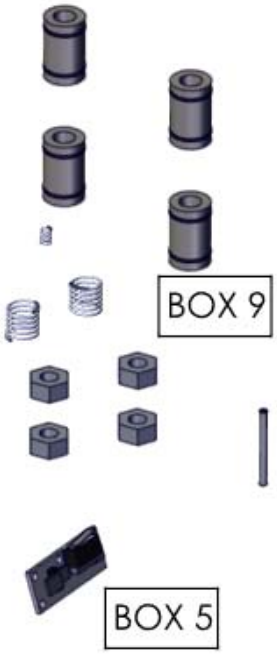
3 BCN3D+ ASSEMBLY GUIDE
Z AXIS ASSEMBLY



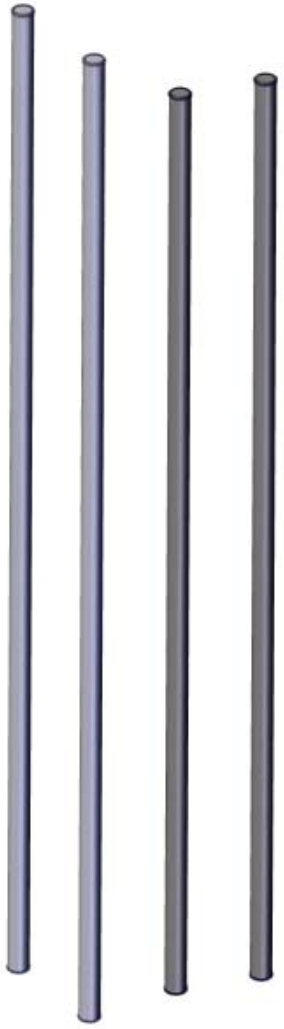
3 BCN3D+ ASSEMBLY GUIDE
Z AXIS ASSEMBLY

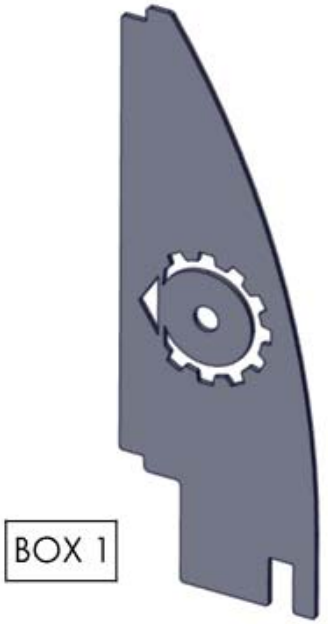


BOX 2.3

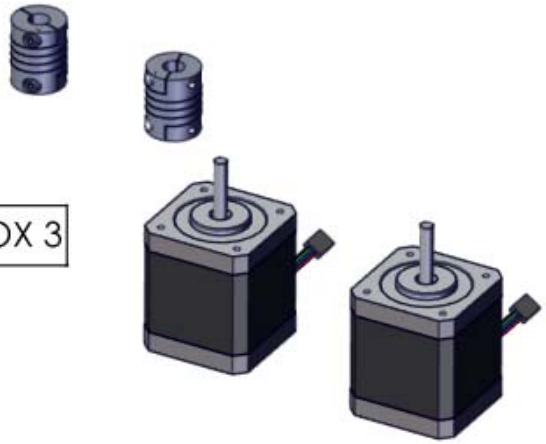


BOX 9





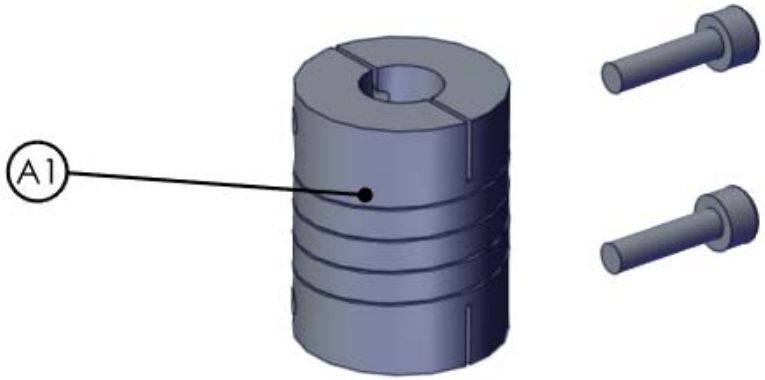
BOX 1



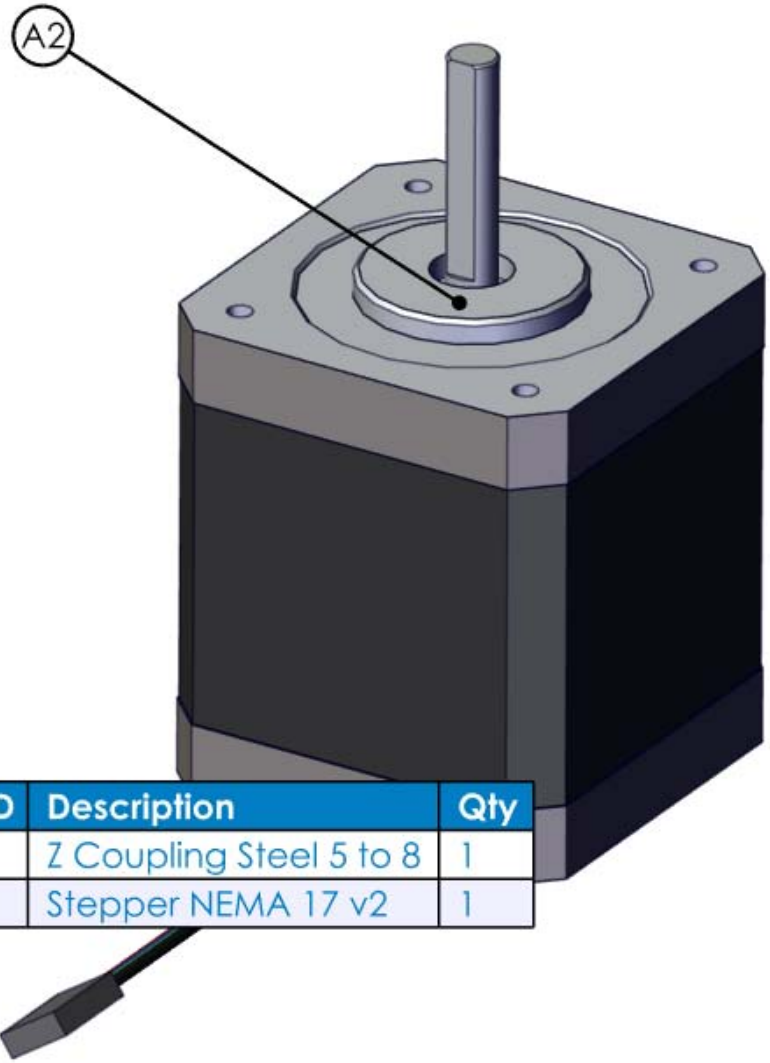
BOX 3

BOX 5

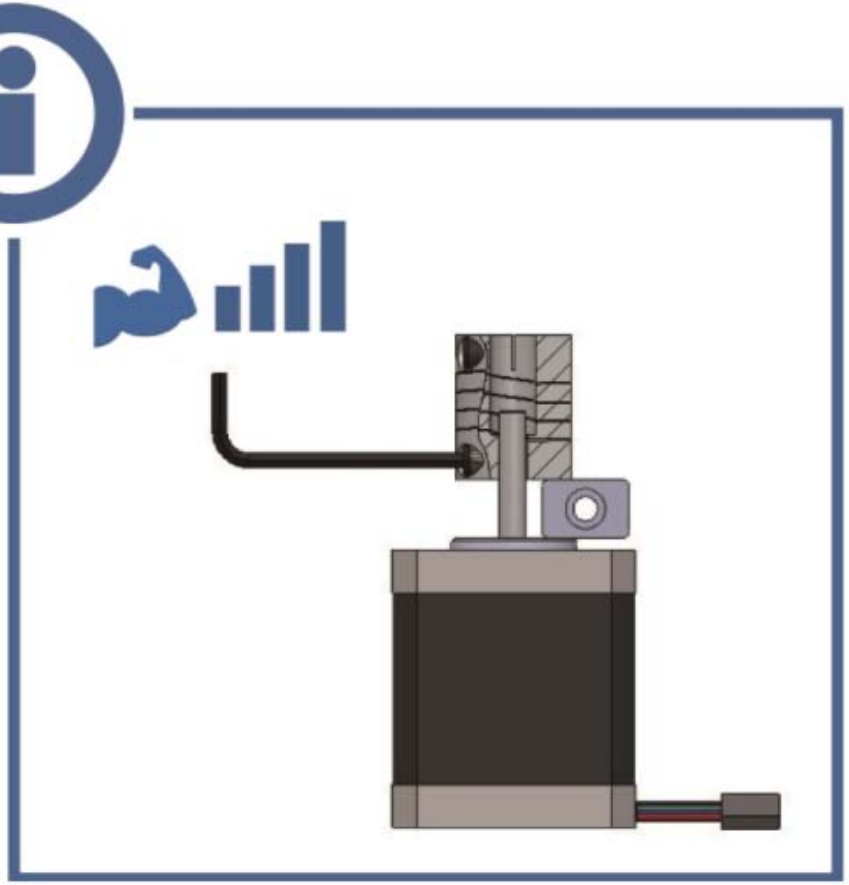
1



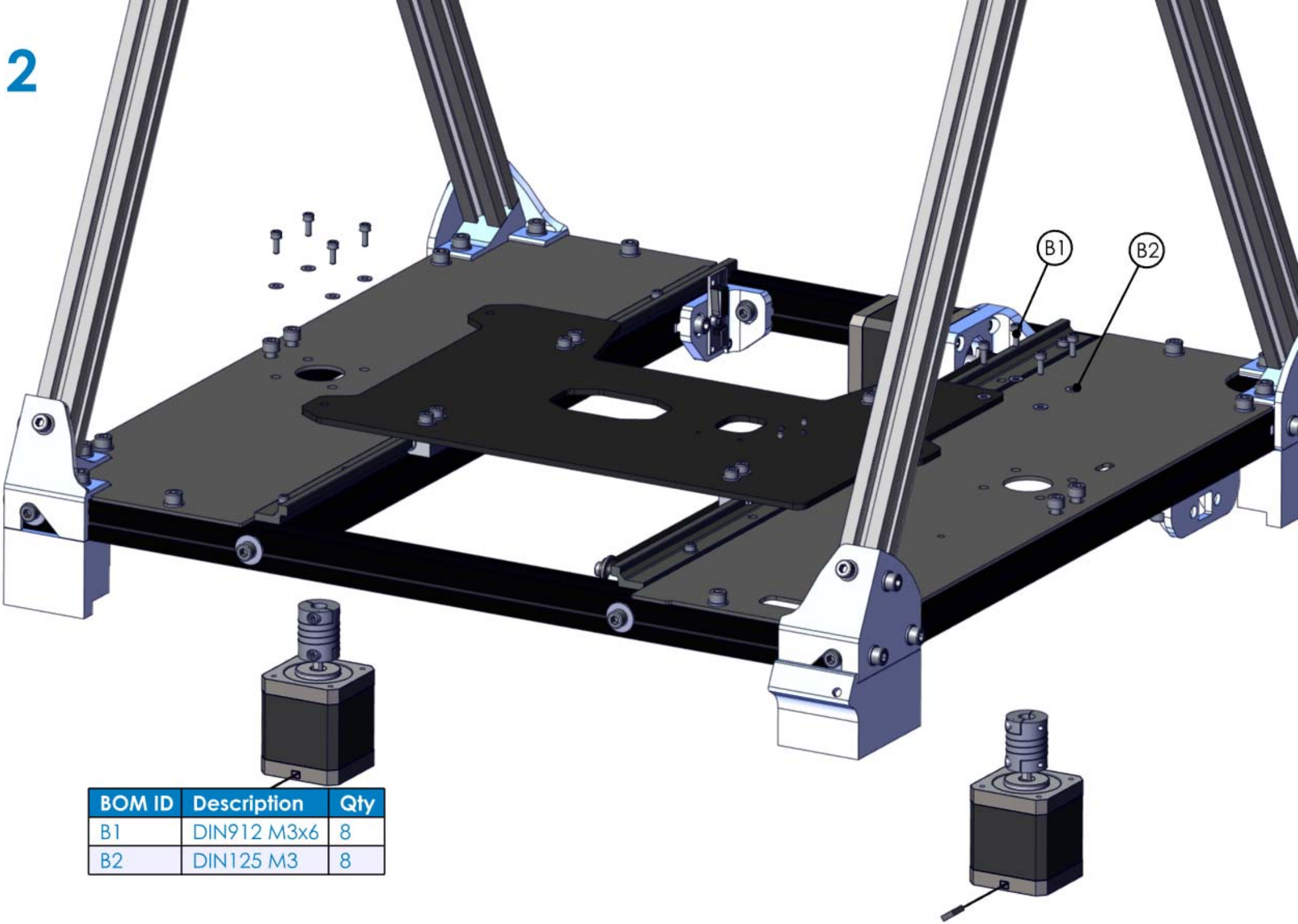
x2



BOM ID	Description	Qty
A1	Z Coupling Steel 5 to 8	1
A2	Stepper NEMA 17 v2	1

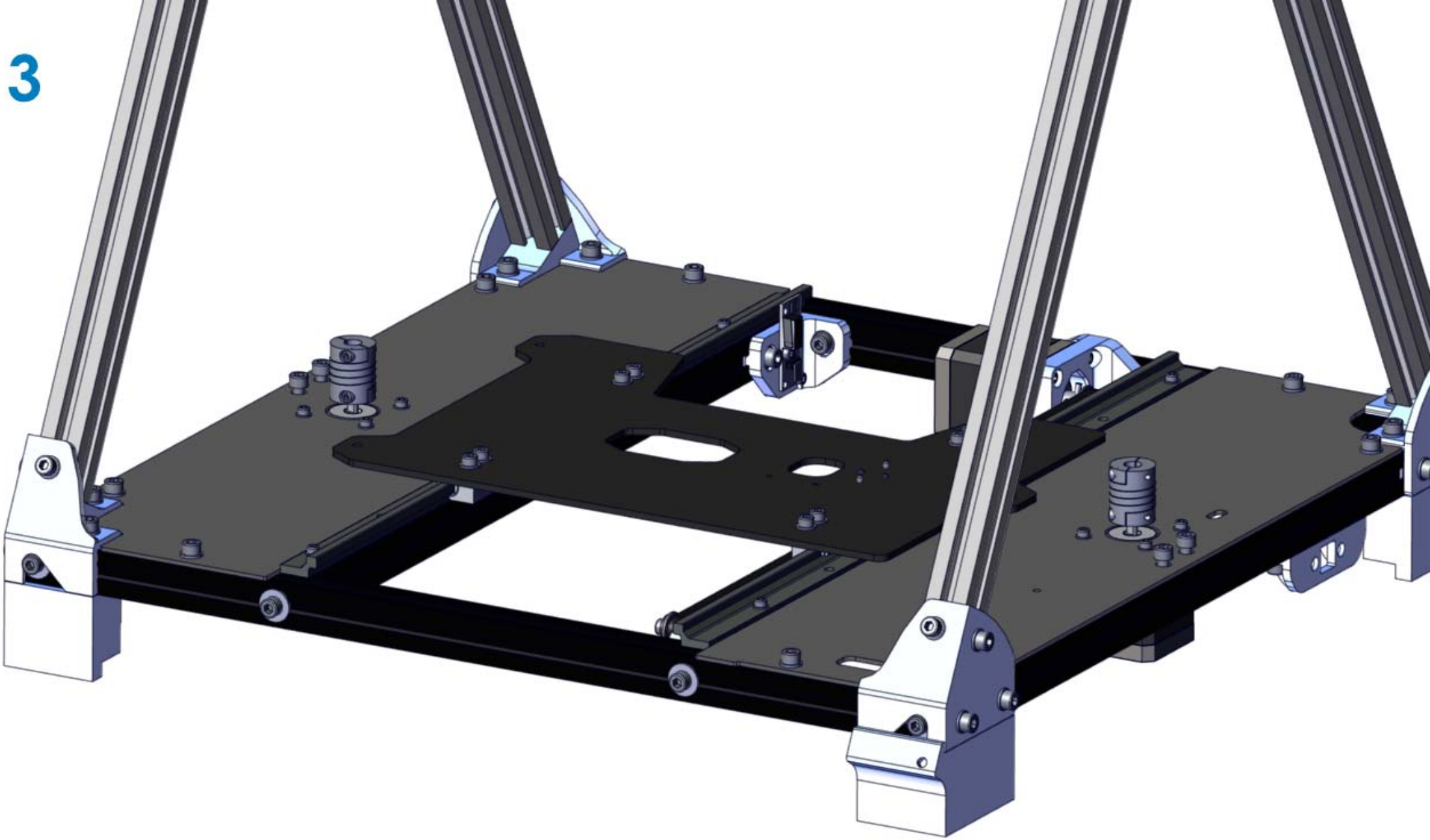


2

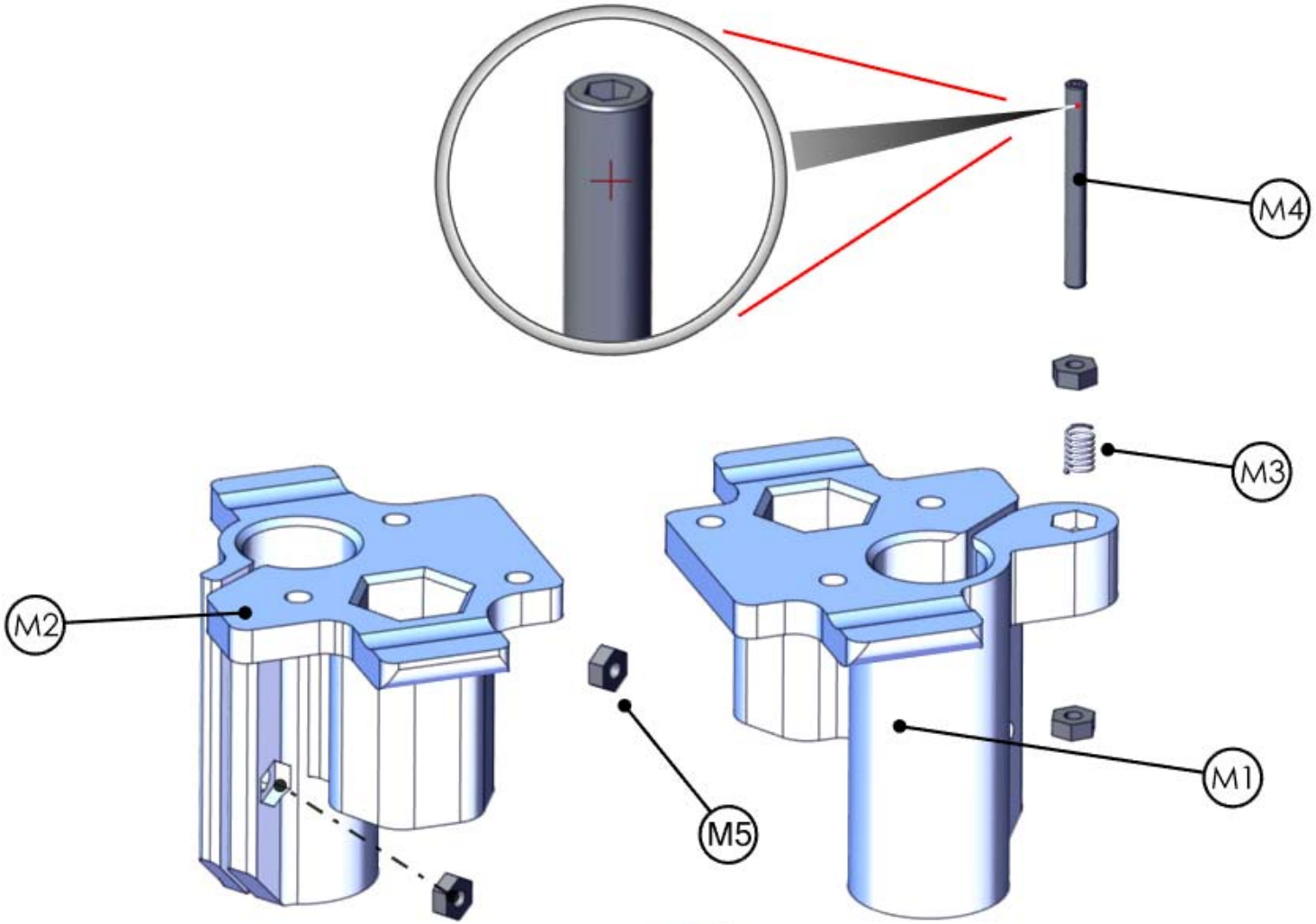


BOM ID	Description	Qty
B1	DIN912 M3x6	8
B2	DIN125 M3	8

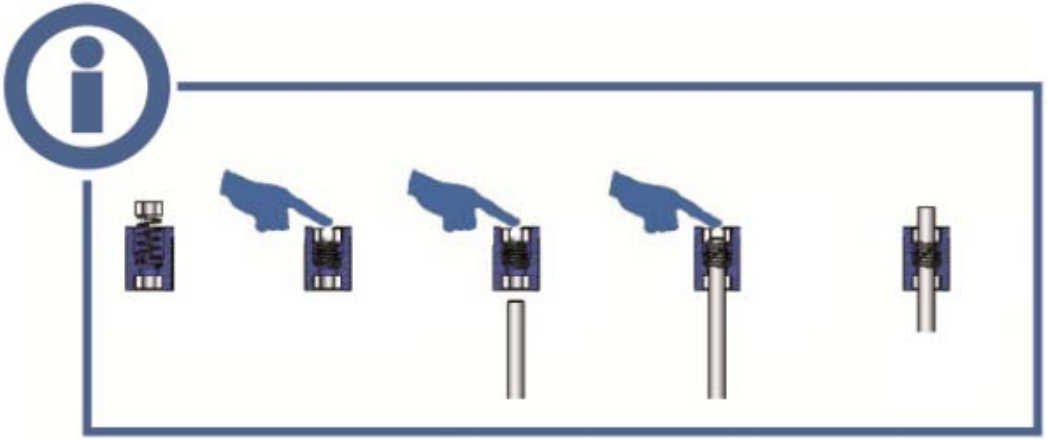
3



4

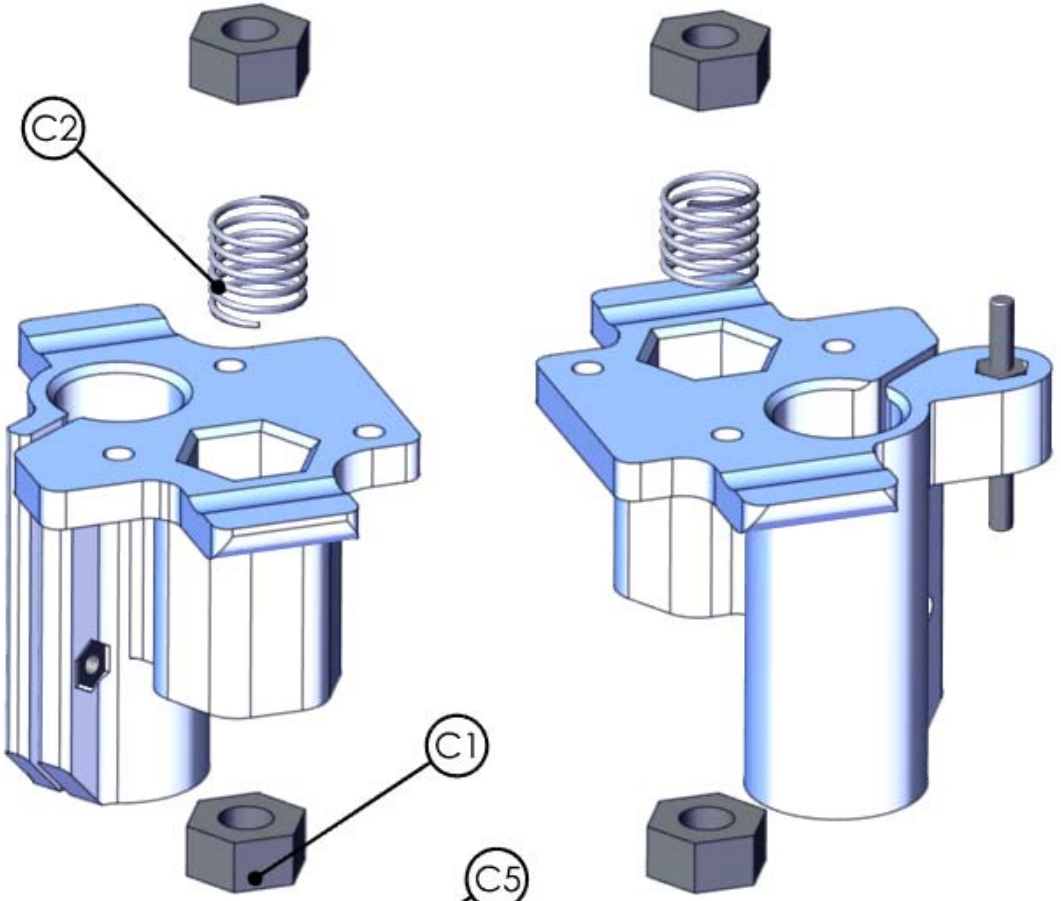


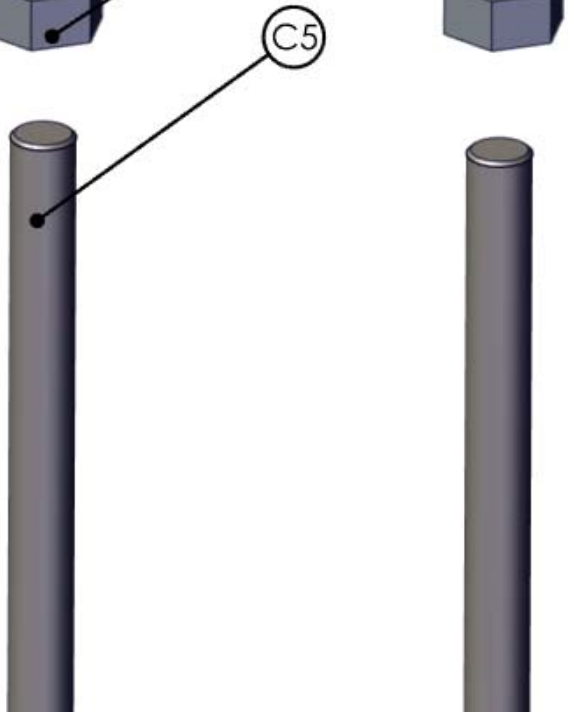
BOM ID	Description	Qty
M1	Z motion motor	1
M2	Z motion idler	1
M3	End stop spring	1
M4	DIN913 M3x30	1
M5	DIN934 M3	4

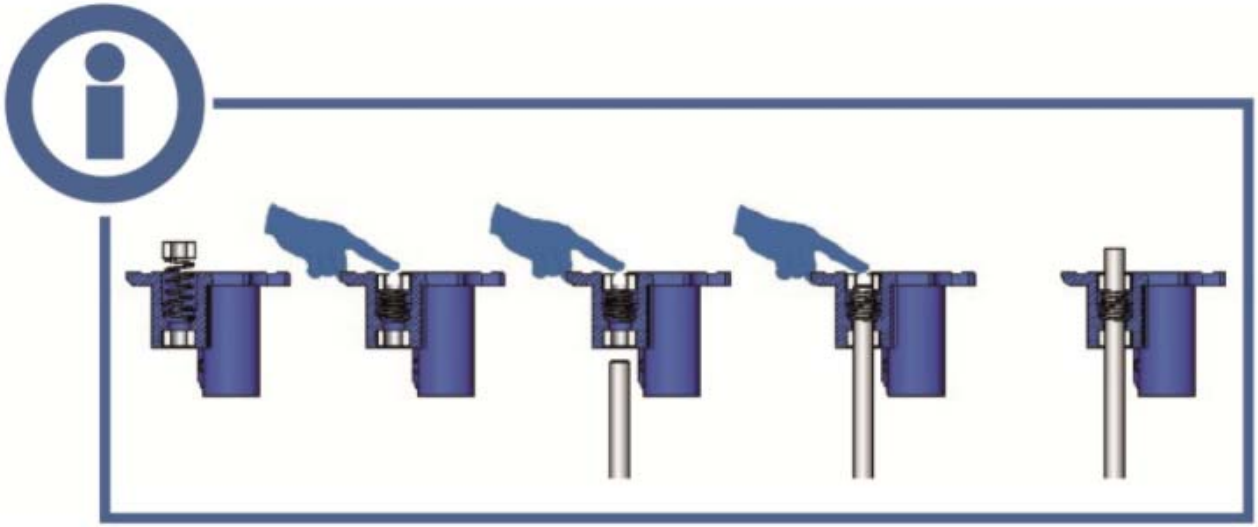


5

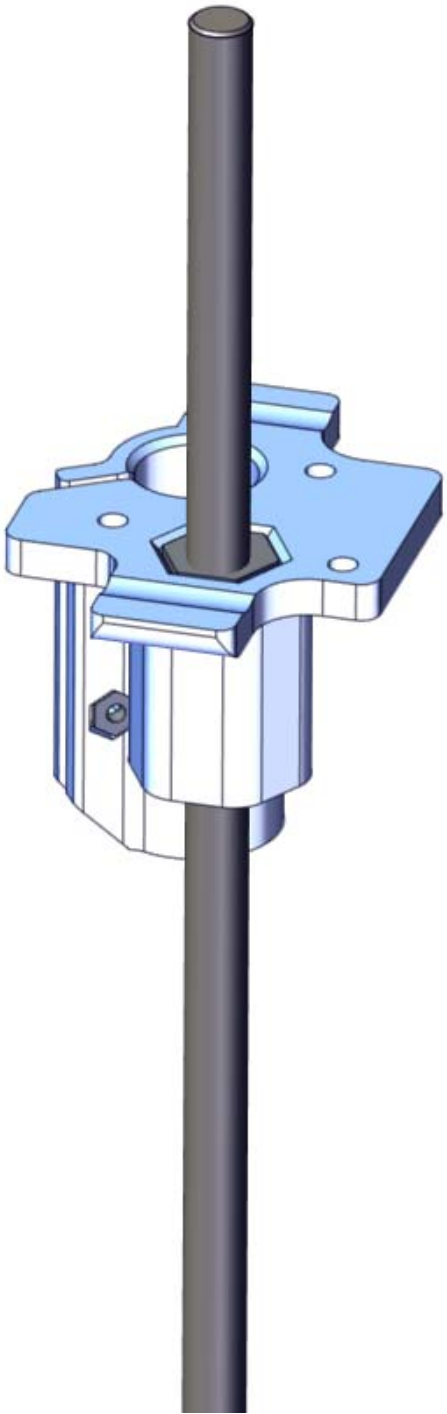
BOM ID	Description	Qty
C1	DIN934 M8	4
C2	Z Spring	2
C5	Rod bar M8x366	2

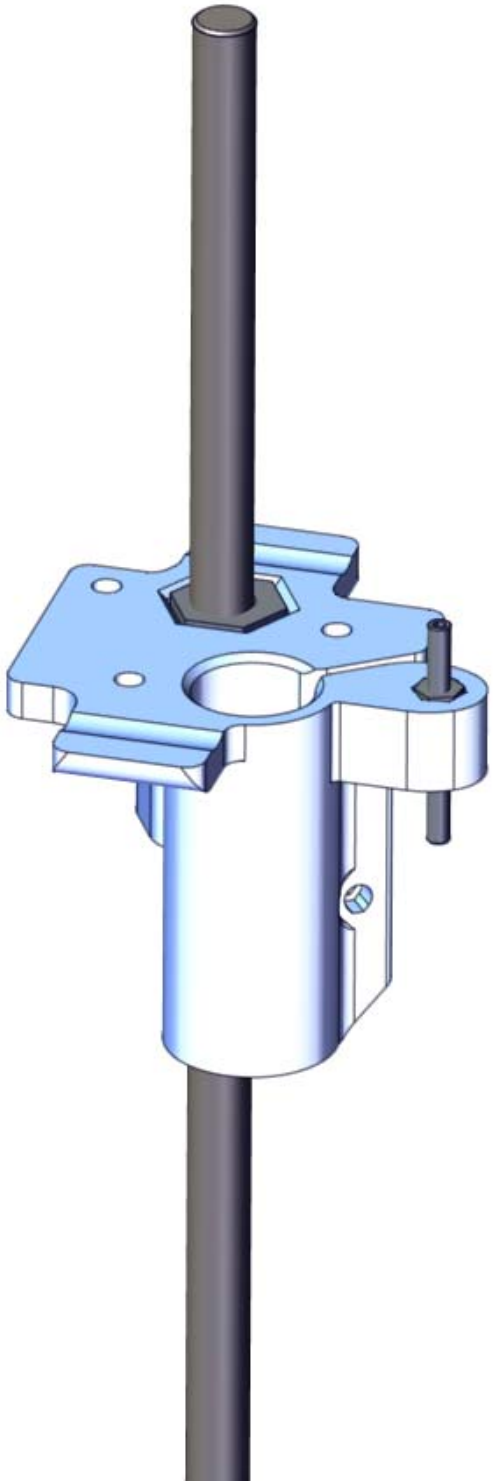




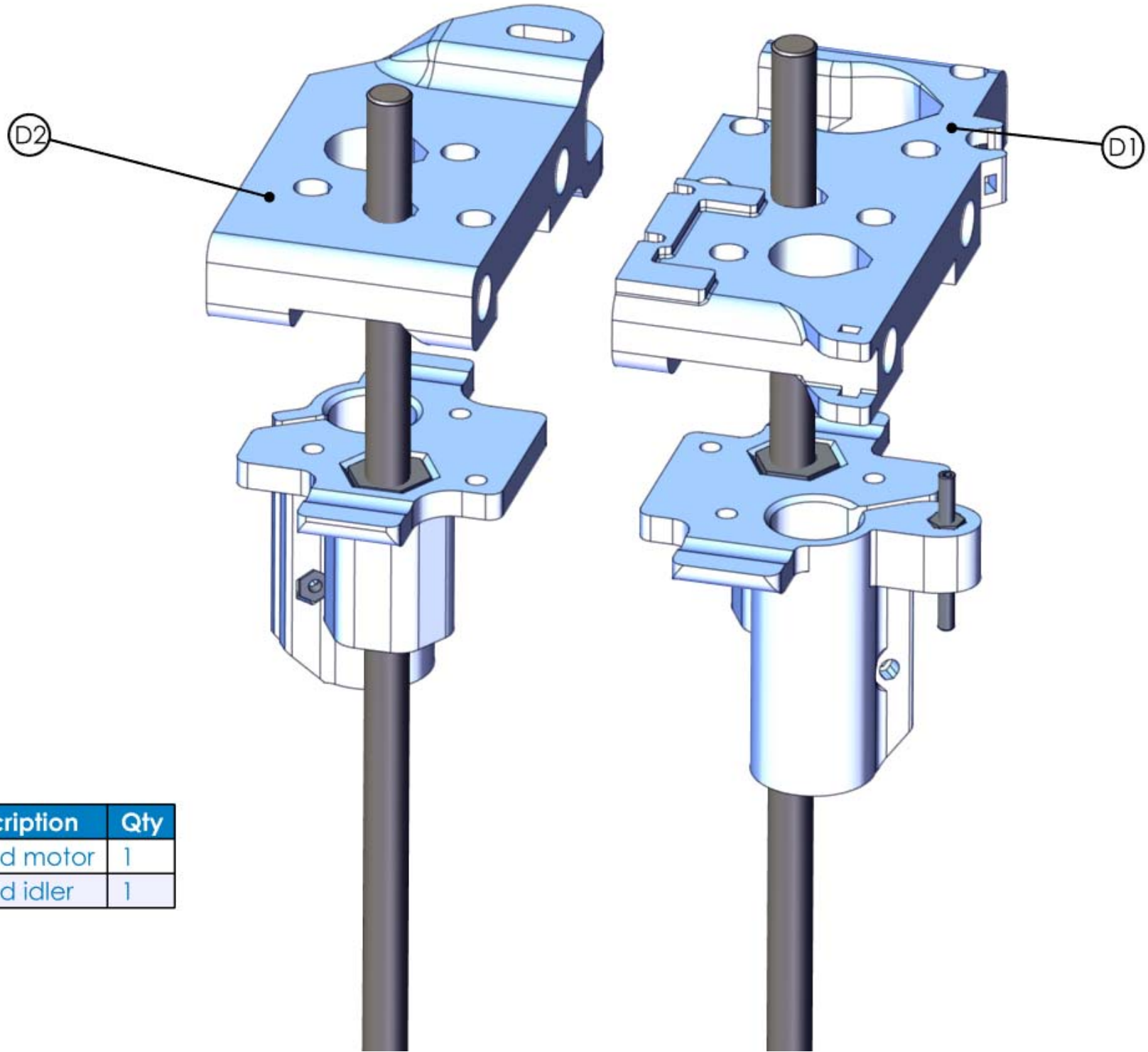


6



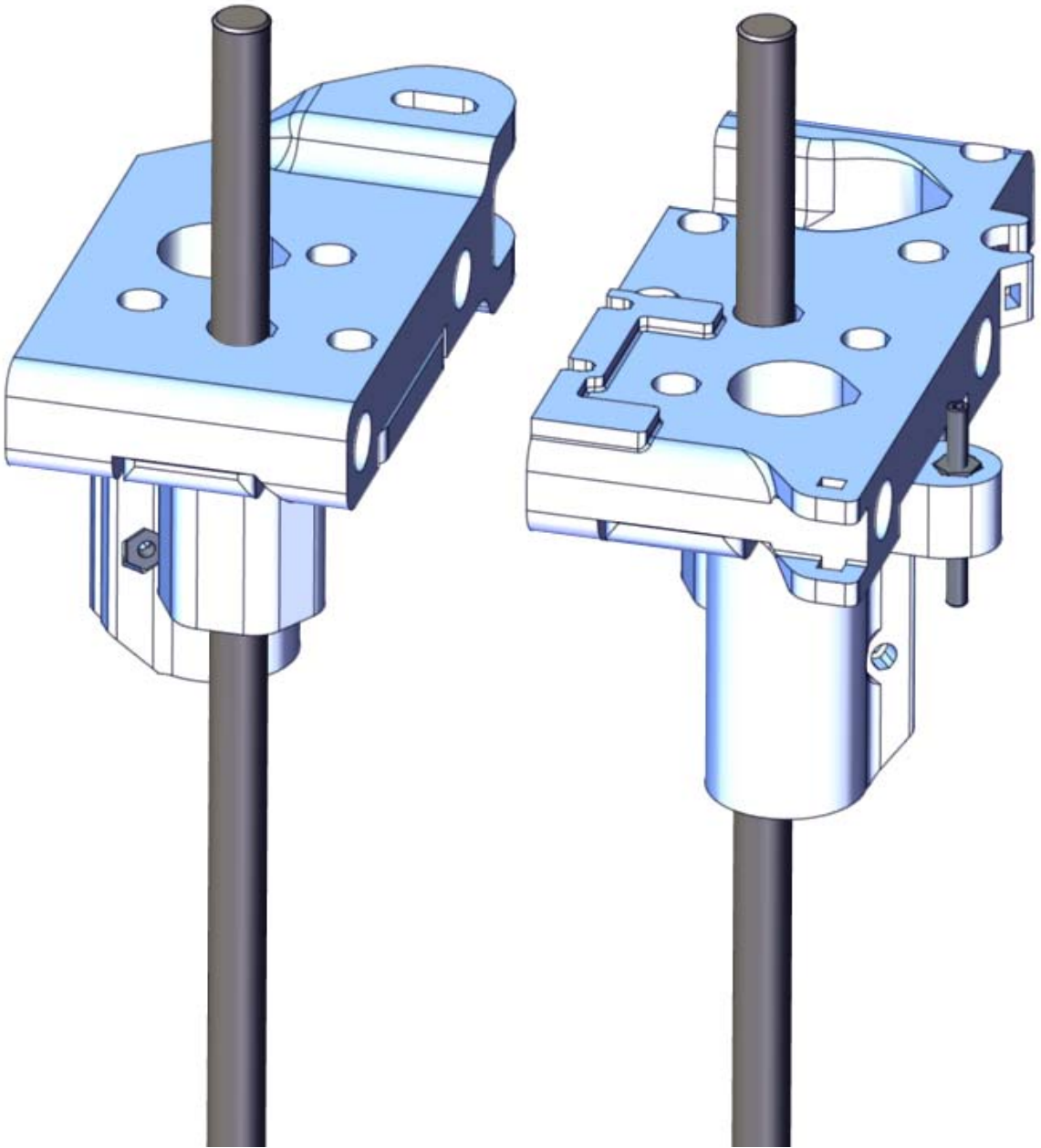


7

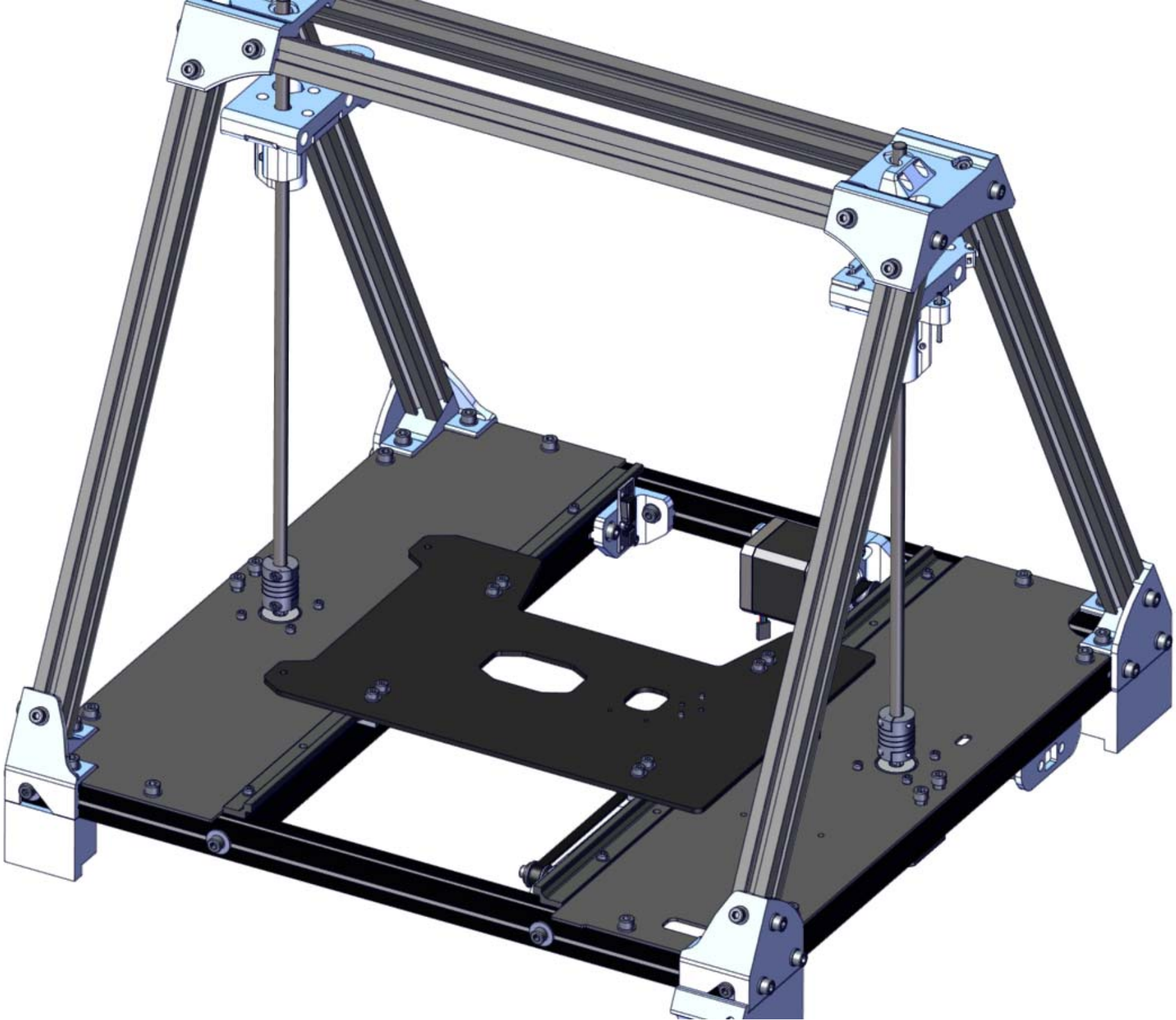


BOM ID	Description	Qty
D1	X-end motor	1
D2	X-end idler	1

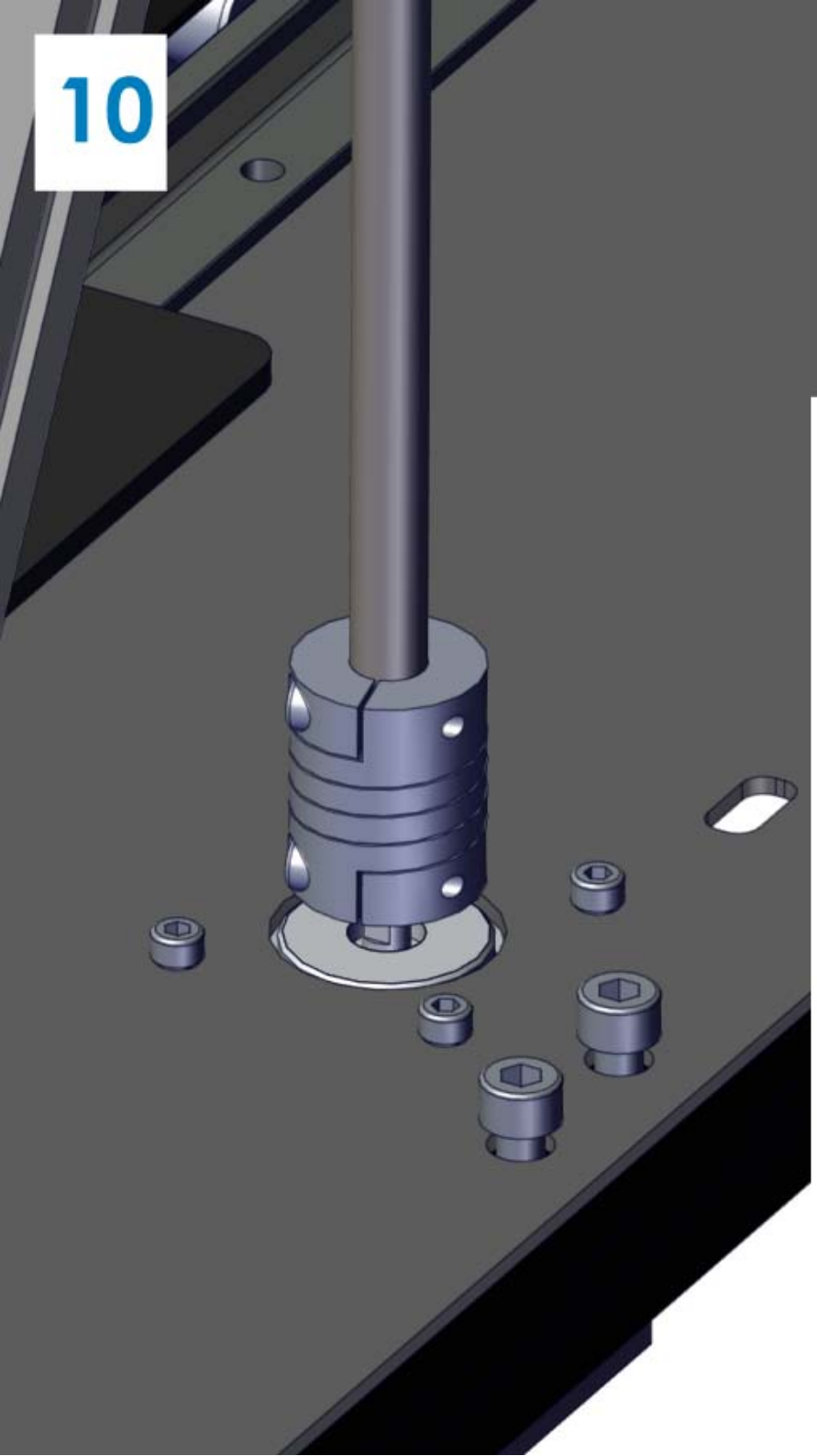
8

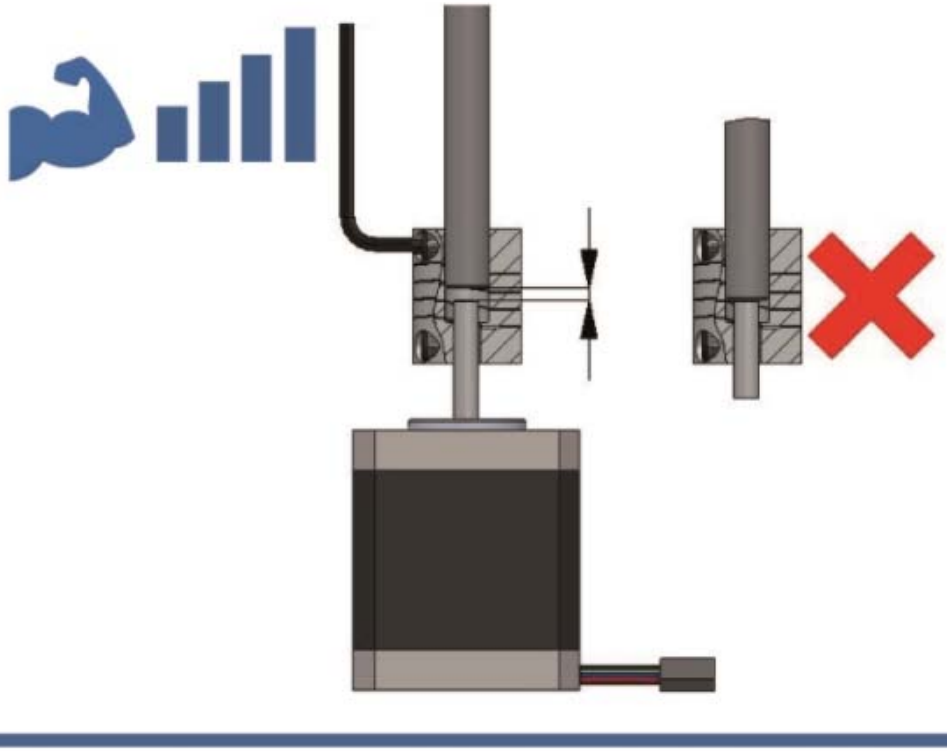


9

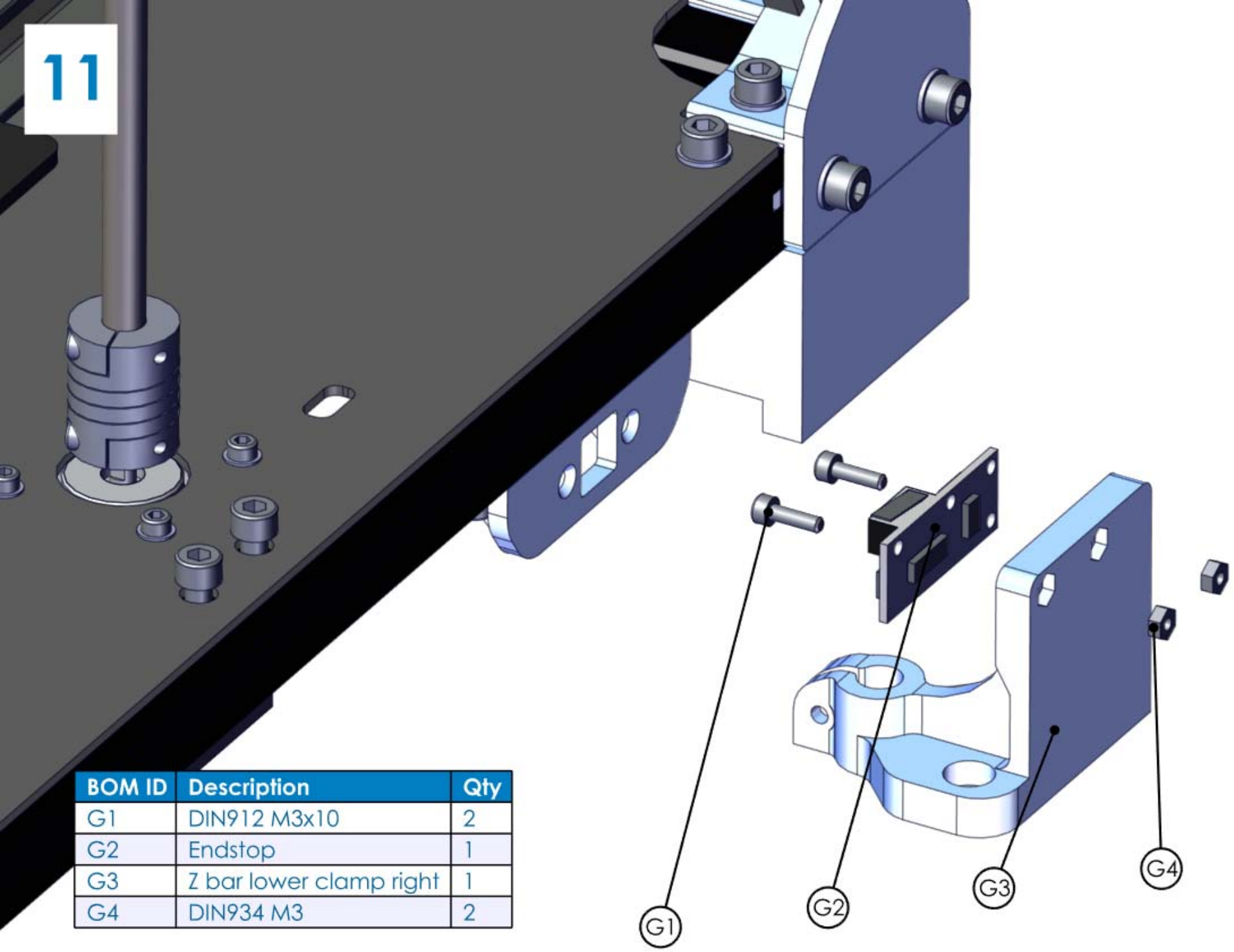


10



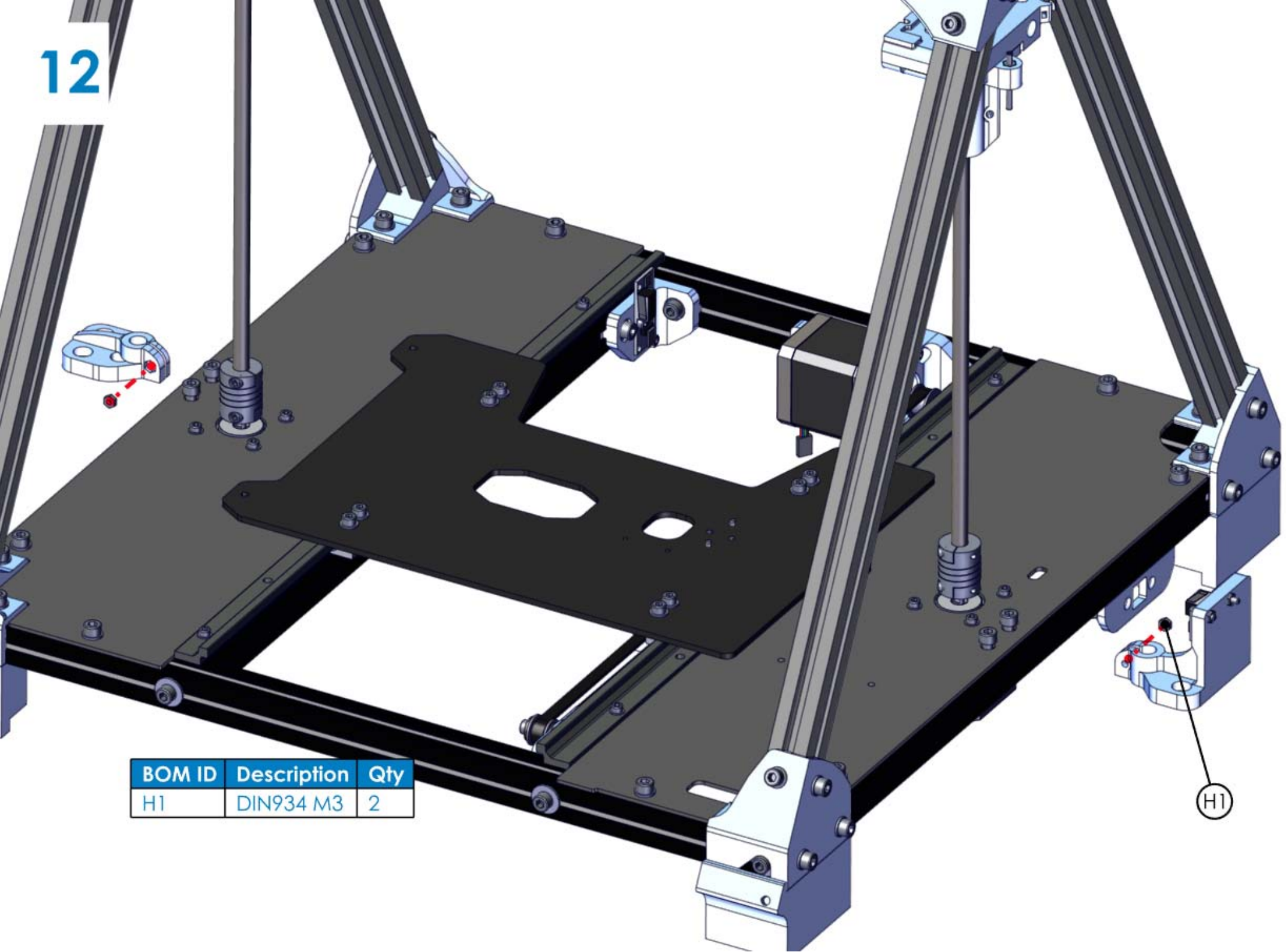


11



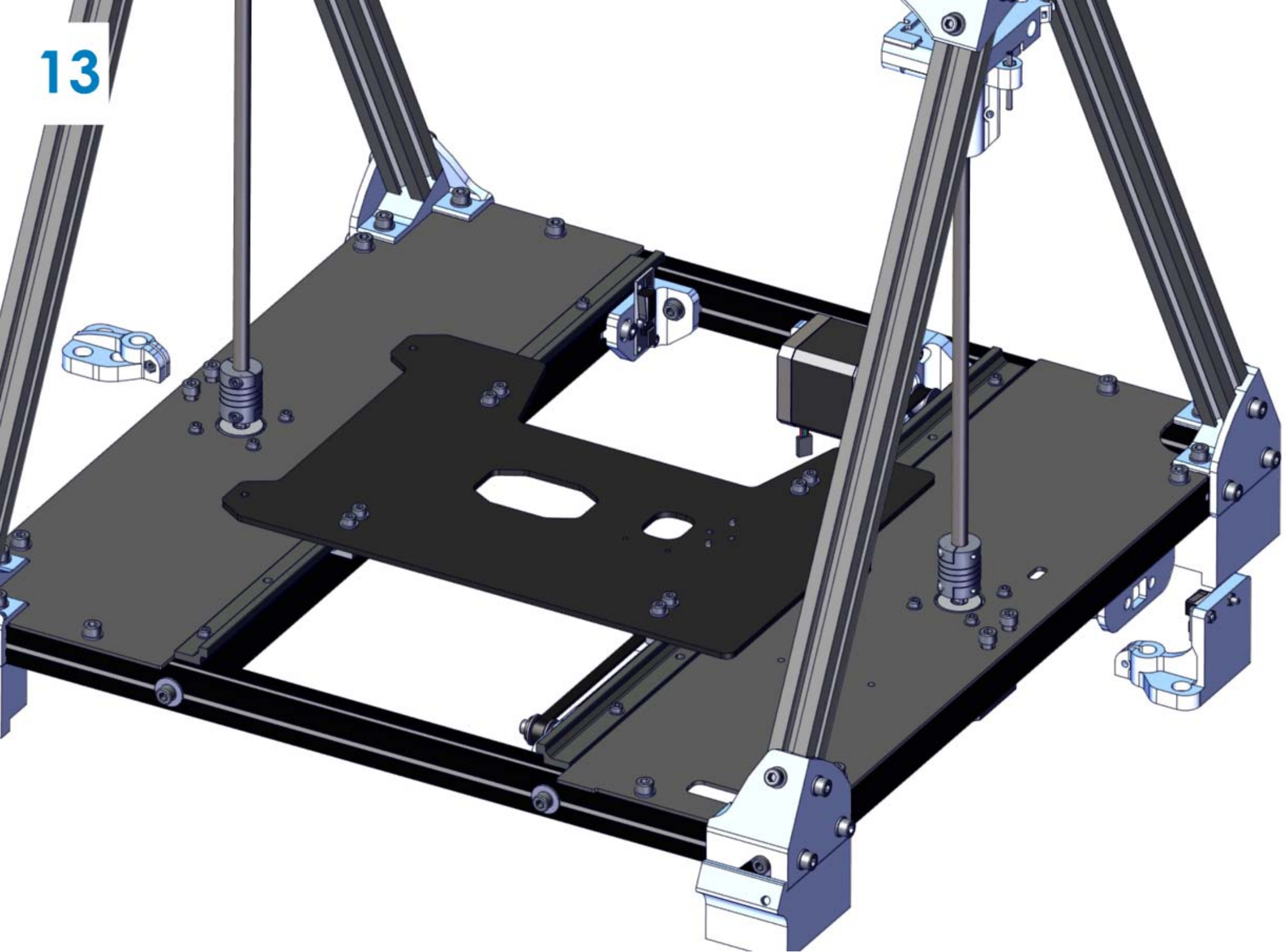
BOM ID	Description	Qty
G1	DIN912 M3x10	2
G2	Endstop	1
G3	Z bar lower clamp right	1
G4	DIN934 M3	2

12

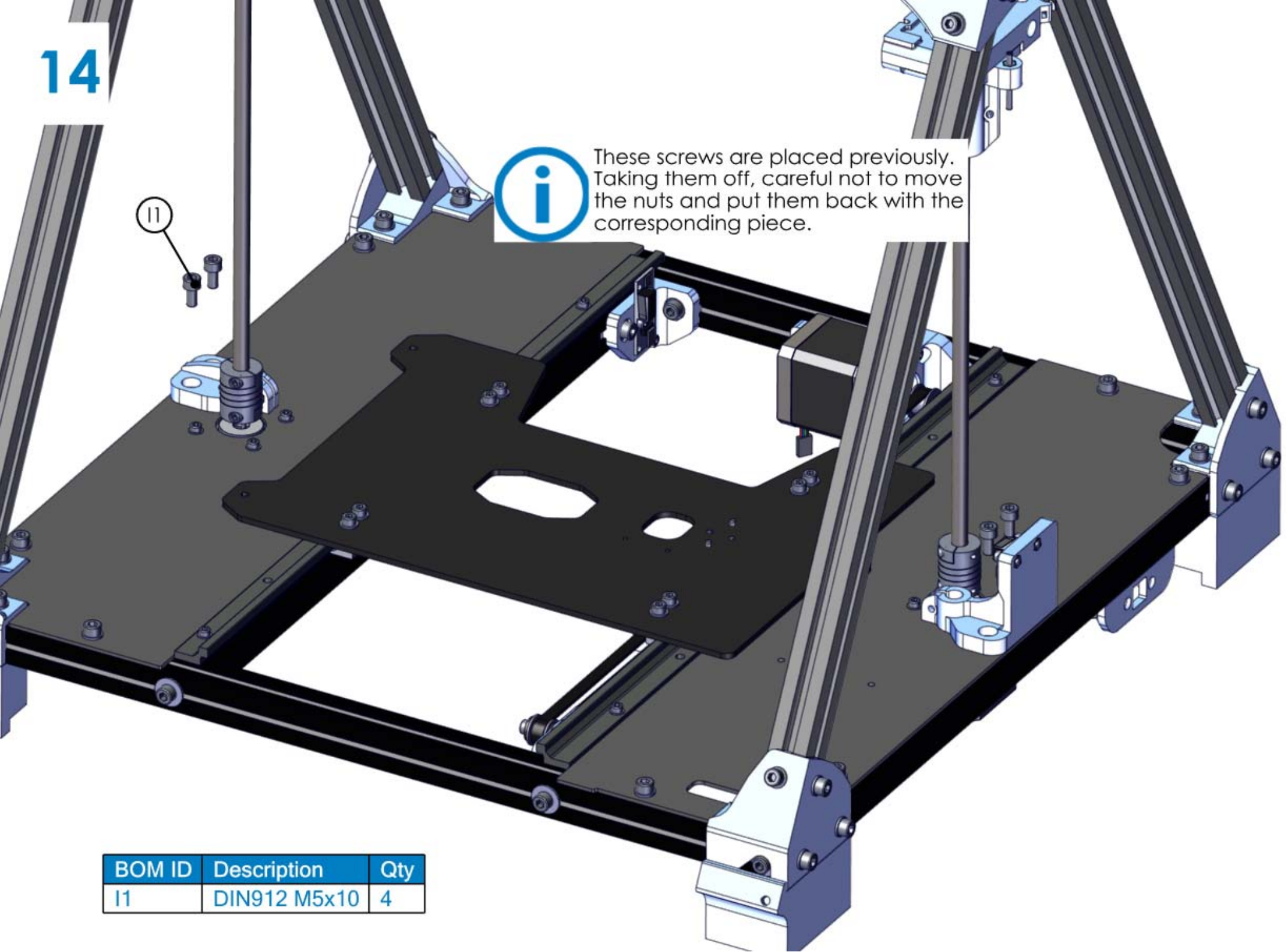


BOM ID	Description	Qty
H1	DIN934 M3	2

13



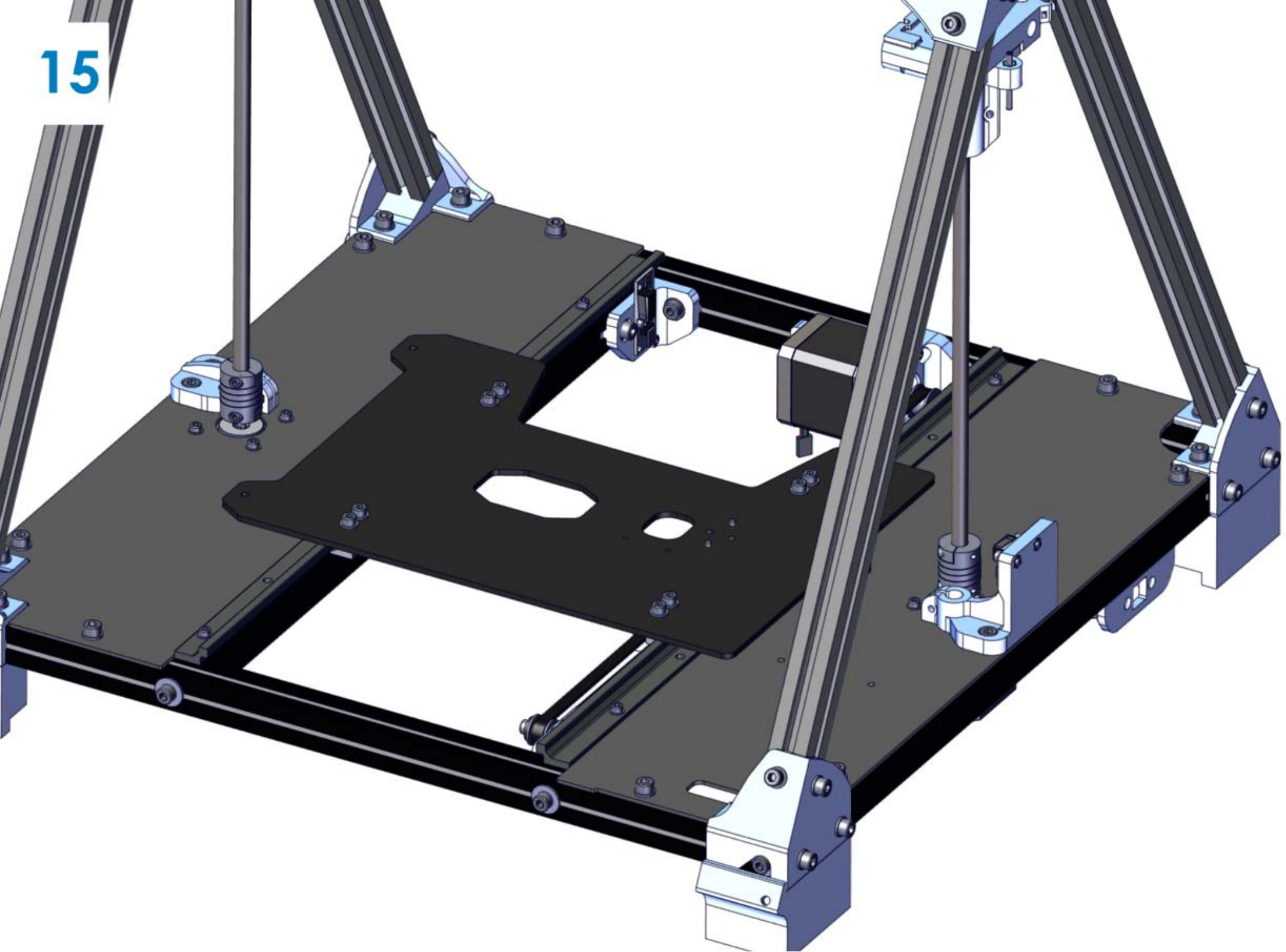
14



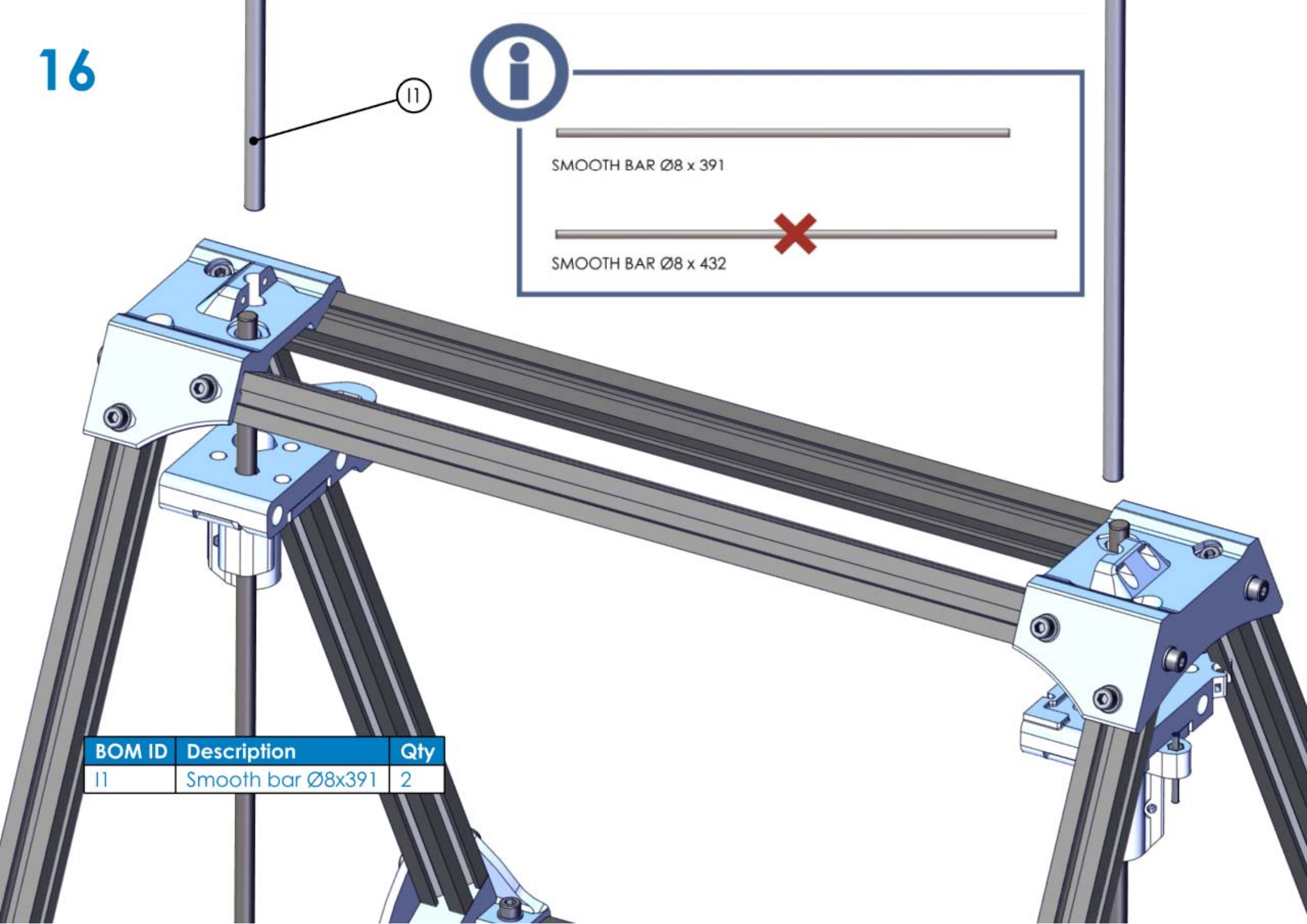
These screws are placed previously. Taking them off, careful not to move the nuts and put them back with the corresponding piece.

BOM ID	Description	Qty
I1	DIN912 M5x10	4

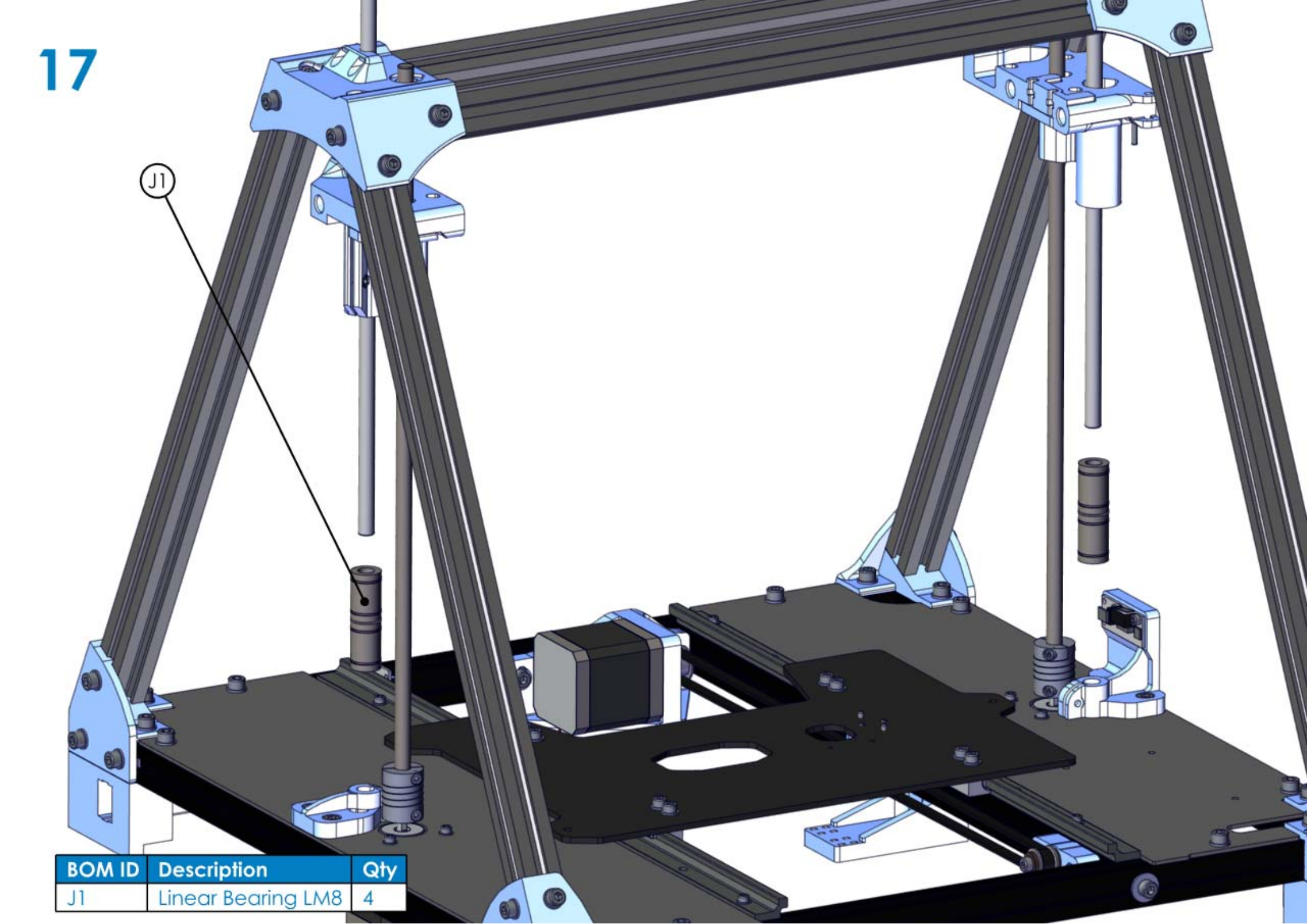
15



16

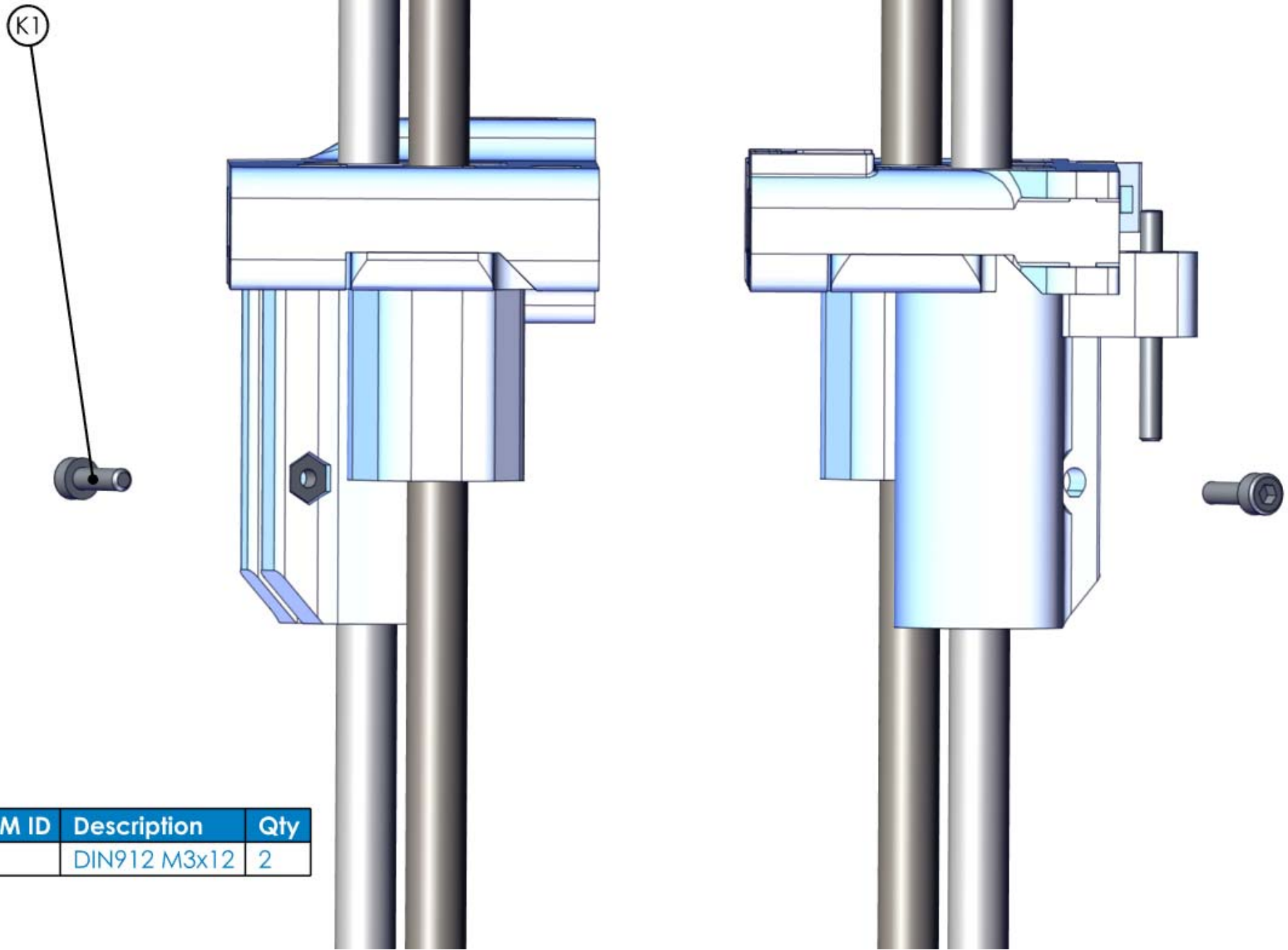


BOM ID	Description	Qty
I1	Smooth bar Ø8x391	2

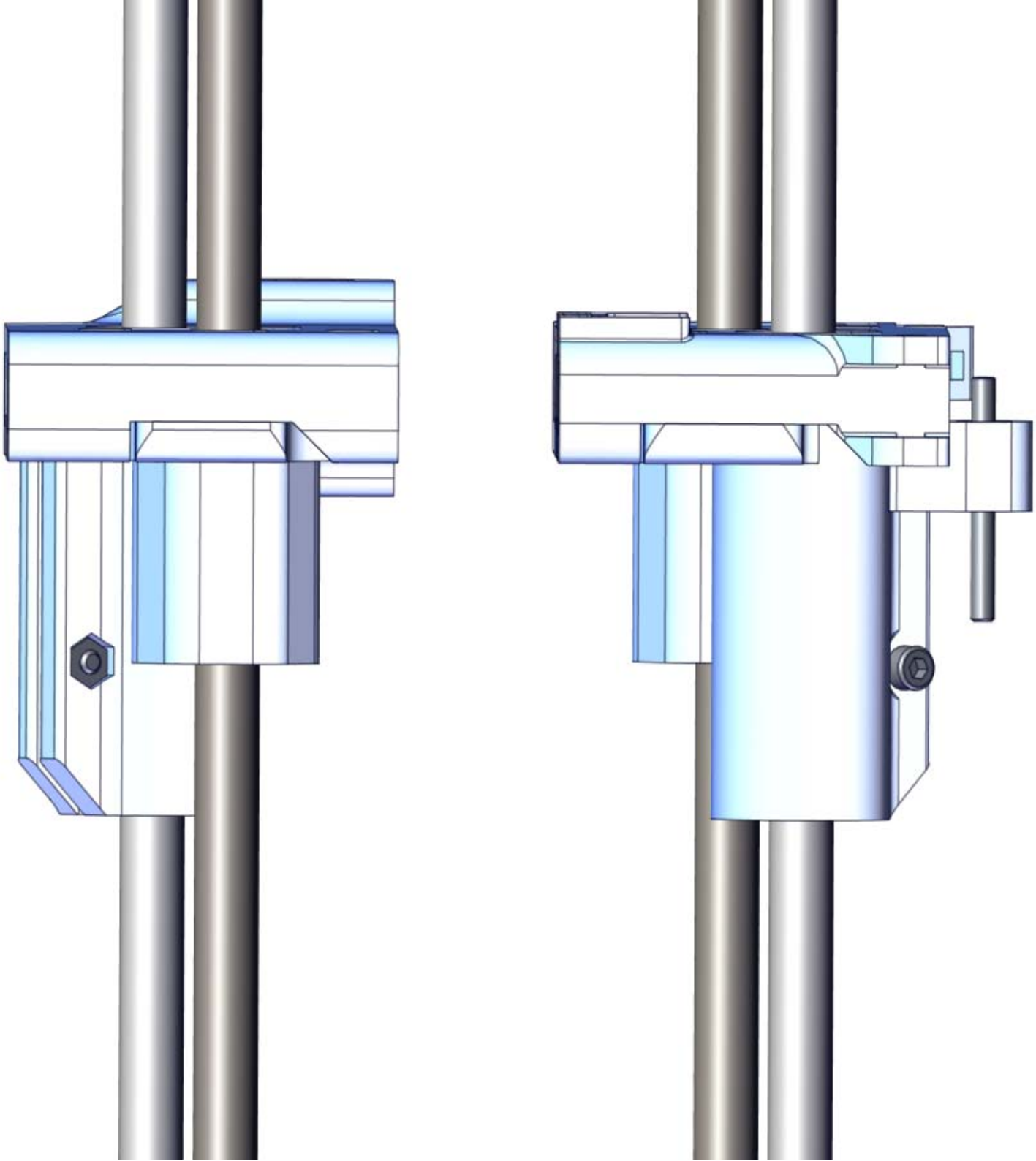


BOM ID	Description	Qty
J1	Linear Bearing LM8	4

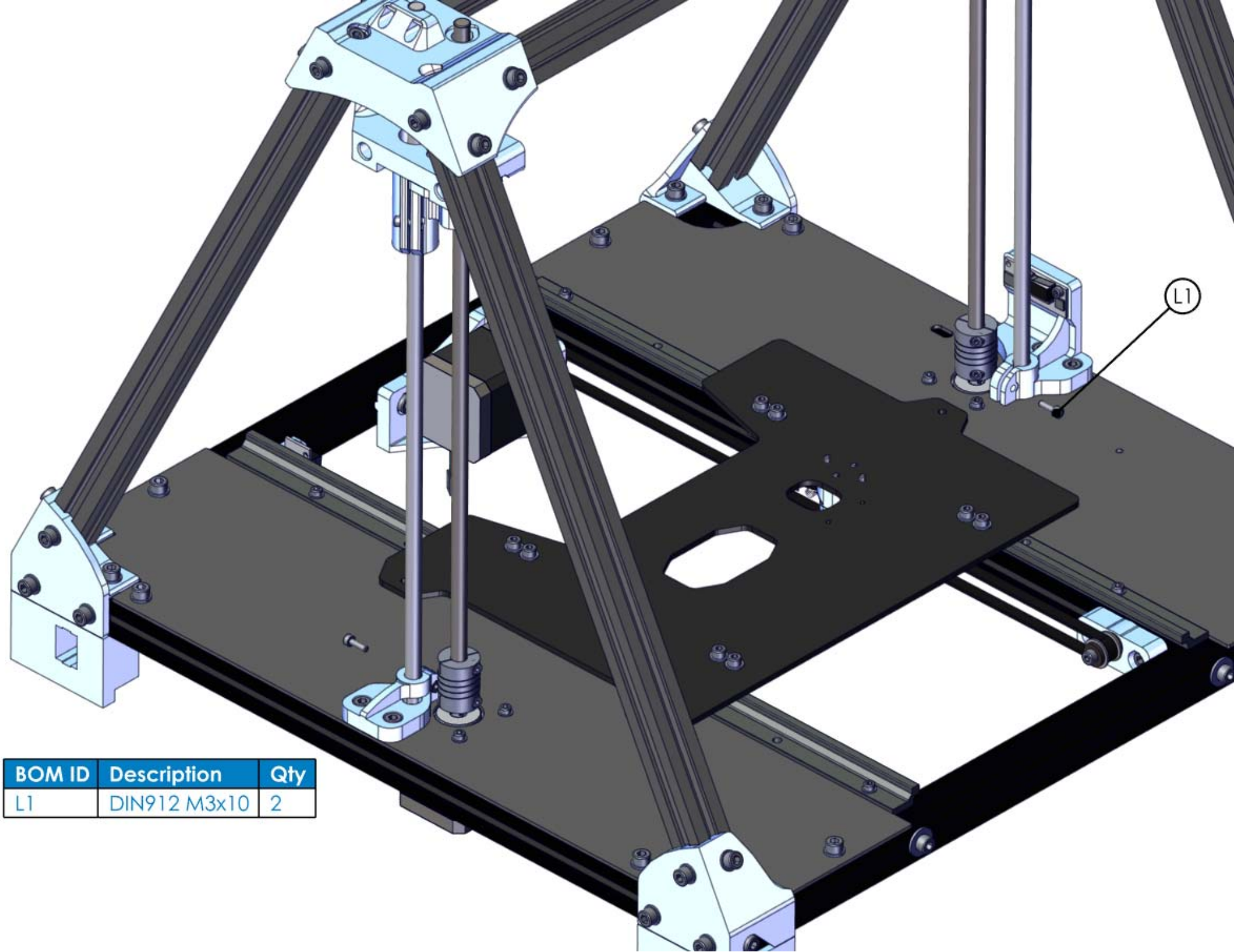
21



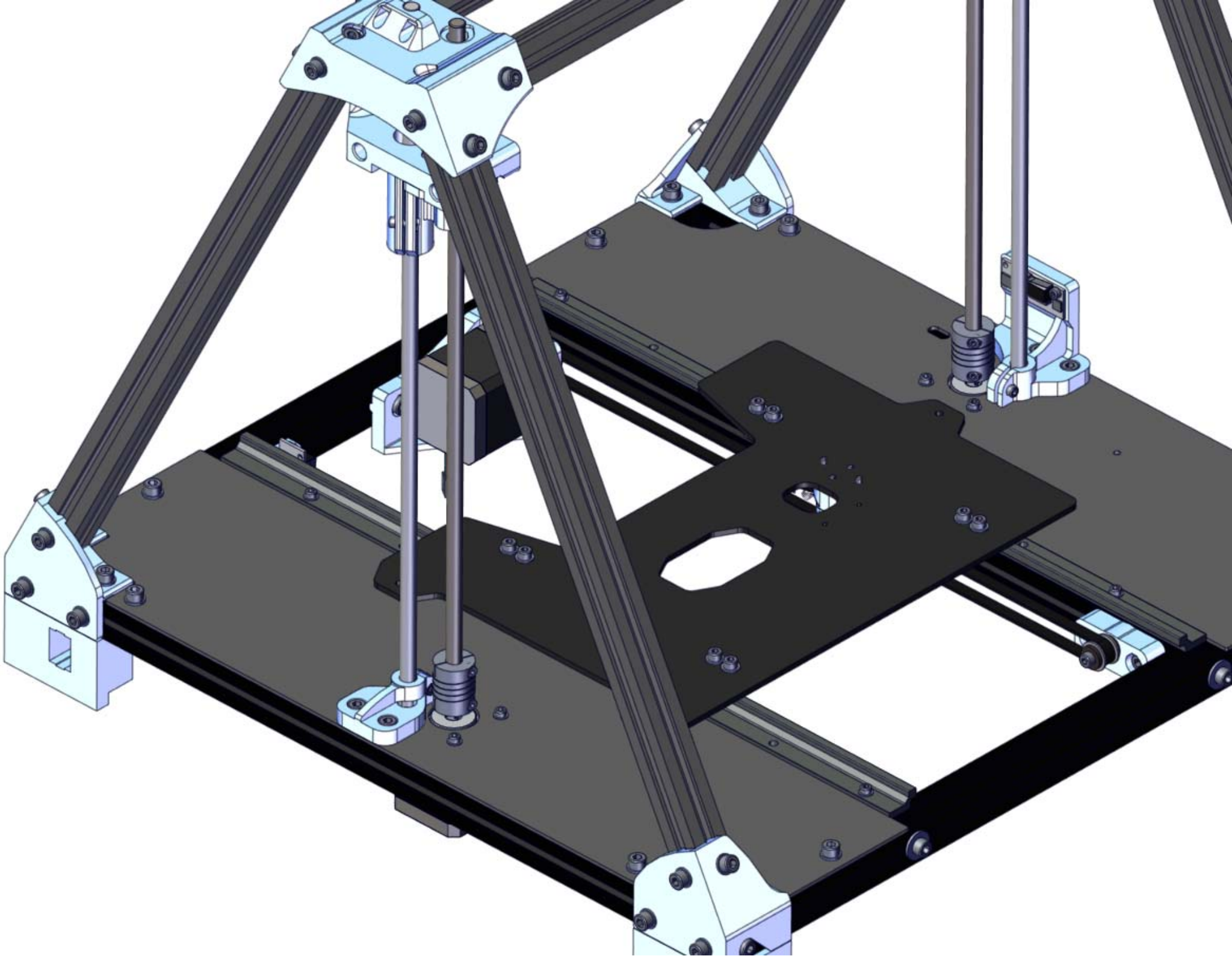
BOM ID	Description	Qty
K1	DIN912 M3x12	2

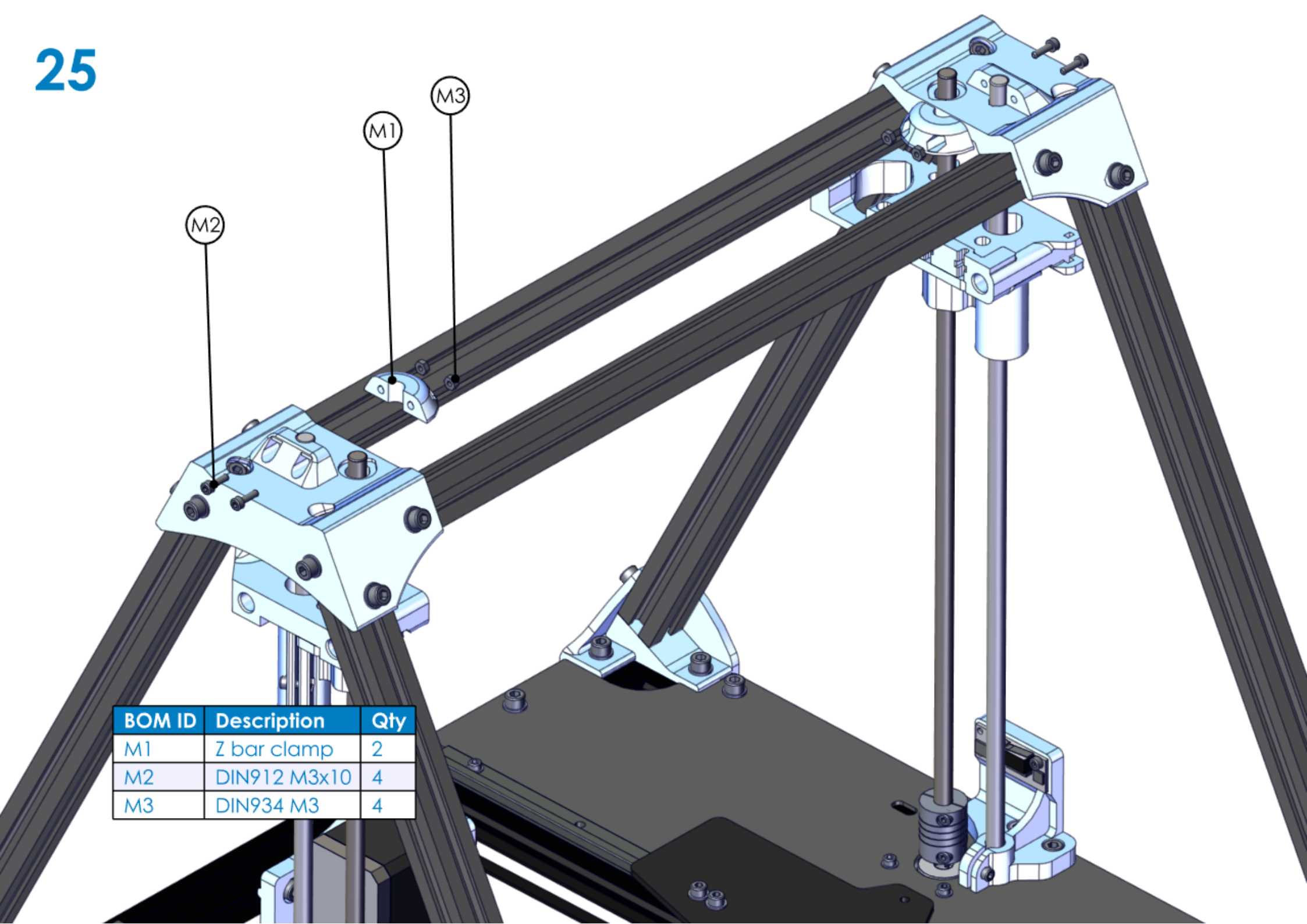


23

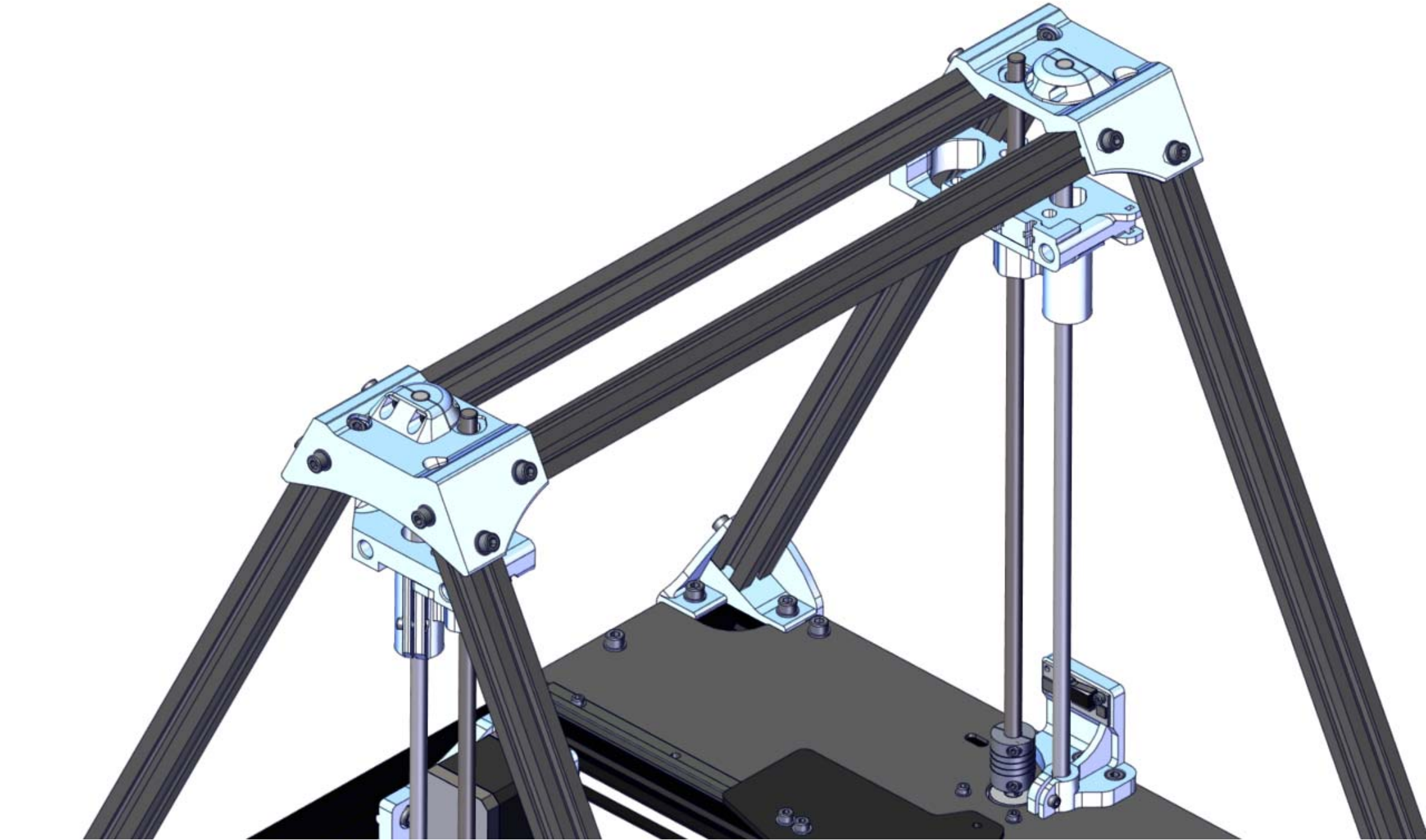


BOM ID	Description	Qty
L1	DIN912 M3x10	2





BOM ID	Description	Qty
M1	Z bar clamp	2
M2	DIN912 M3x10	4
M3	DIN934 M3	4



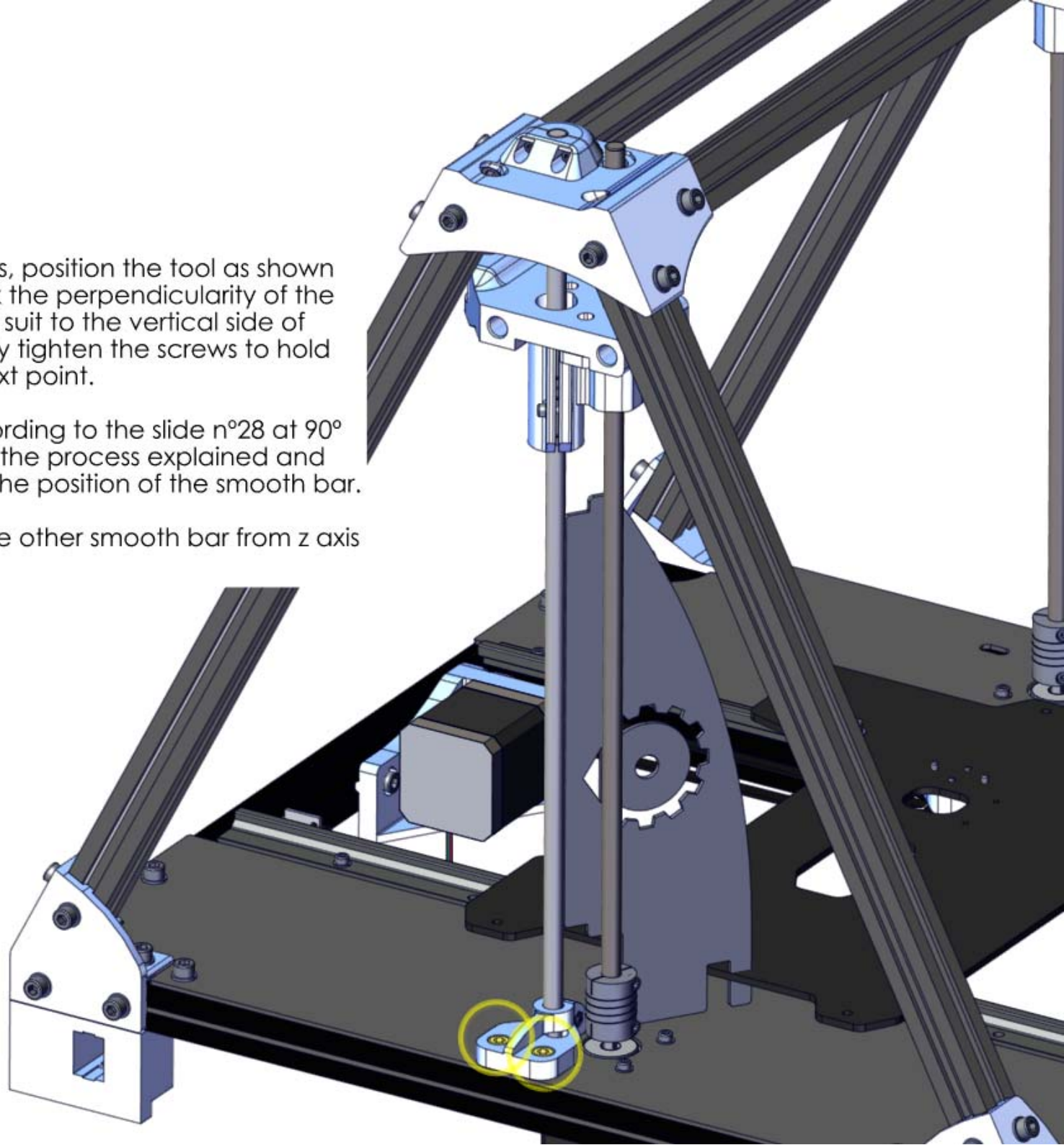
27

Z axis calibration process

1. Loosen the highlighted screws, position the tool as shown in No.29 slide, in order to check the perpendicularity of the smooth rods. These should best suit to the vertical side of the tool. Once achieved, slightly tighten the screws to hold his position and move to the next point.

2. With the tool positioned according to the slide n°28 at 90° of the previous position, repeat the process explained and finally, tighten the screws to fix the position of the smooth bar.

3. Repeat the steps above in the other smooth bar from z axis



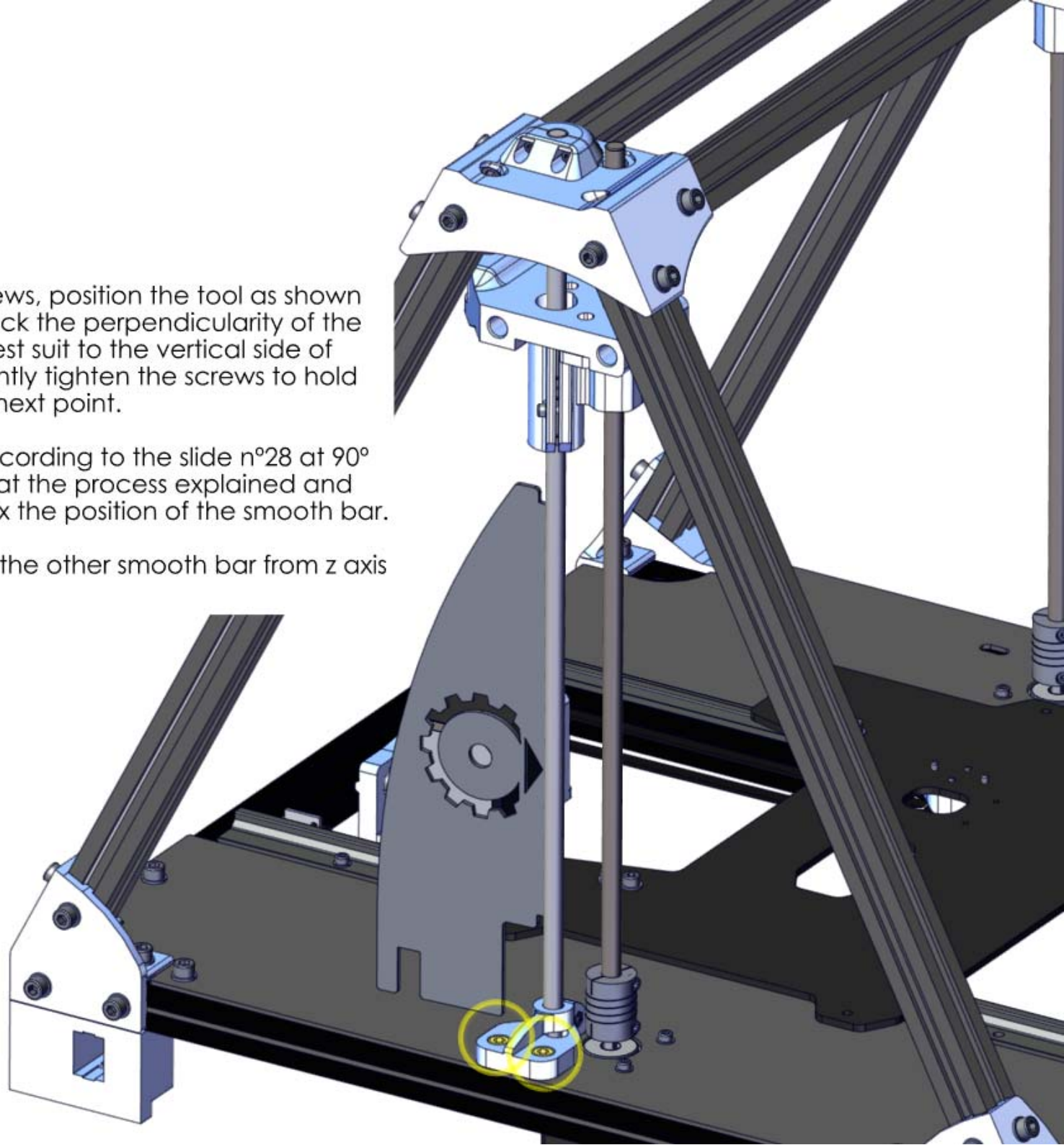
28

Z axis calibration process

1. Loosen the highlighted screws, position the tool as shown in No.29 slide, in order to check the perpendicularity of the smooth rods. These should best suit to the vertical side of the tool. Once achieved, slightly tighten the screws to hold his position and move to the next point.

2. With the tool positioned according to the slide n°28 at 90° of the previous position, repeat the process explained and finally, tighten the screws to fix the position of the smooth bar.

3. Repeat the steps above in the other smooth bar from z axis

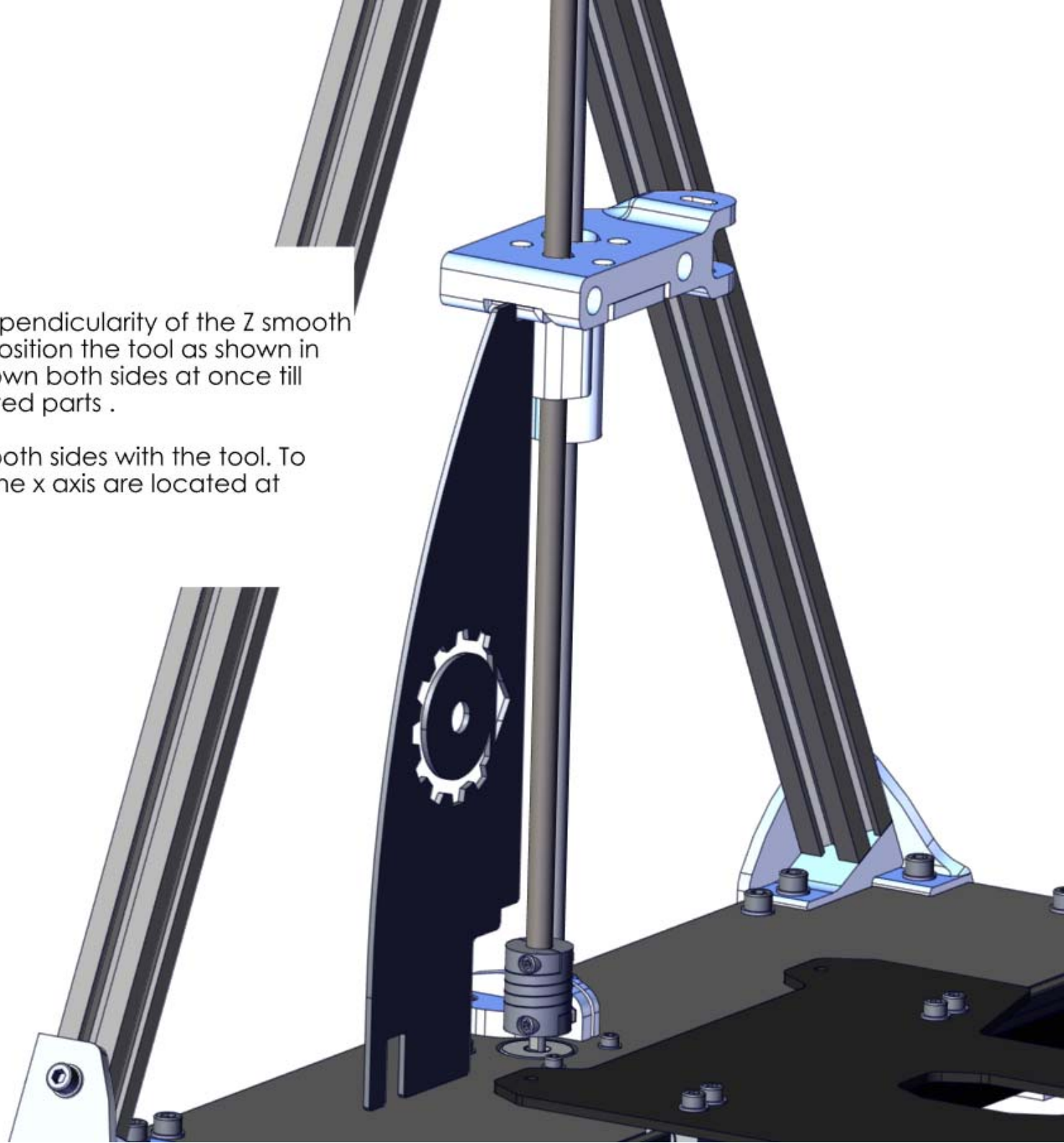


29

X axis calibration process

1. Once calibrated the perpendicularity of the Z smooth rods (above procedure), position the tool as shown in the slide n°29, and scroll down both sides at once till the tool touch the highlighted parts .

2. Check the distance on both sides with the tool. To ensures that both sides of the x axis are located at the same height.



X axis calibration process

1. Once calibrated the perpendicularity of the Z smooth rods (above procedure), position the tool as shown in the slide n°29, and scroll down both sides at once till the tool touch the highlighted parts .

2. Check the distance on both sides with the tool. To ensures that both sides of the x axis are located at the same height.