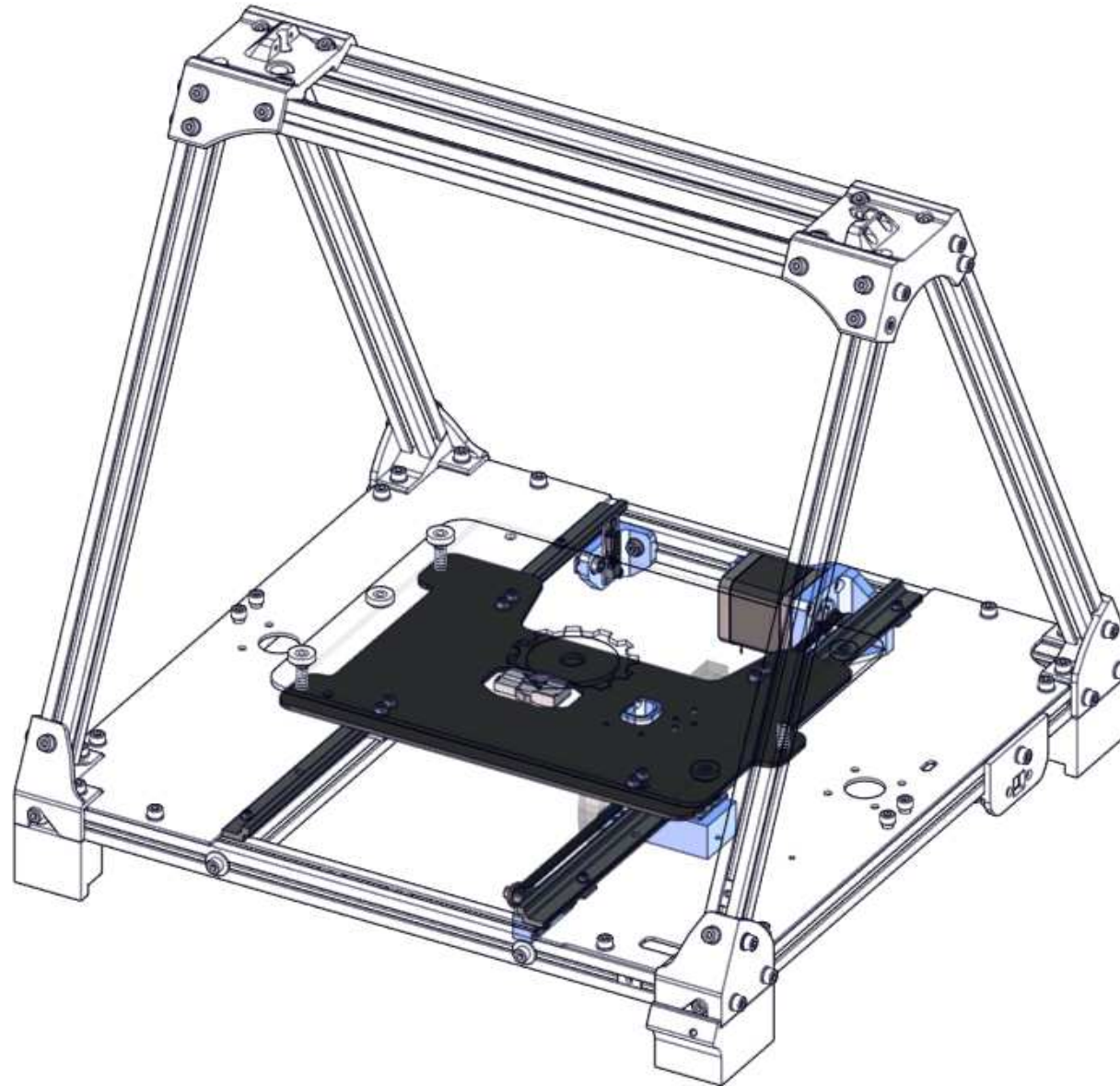


2 BCN3D+ ASSEMBLY GUIDE

Y AXIS

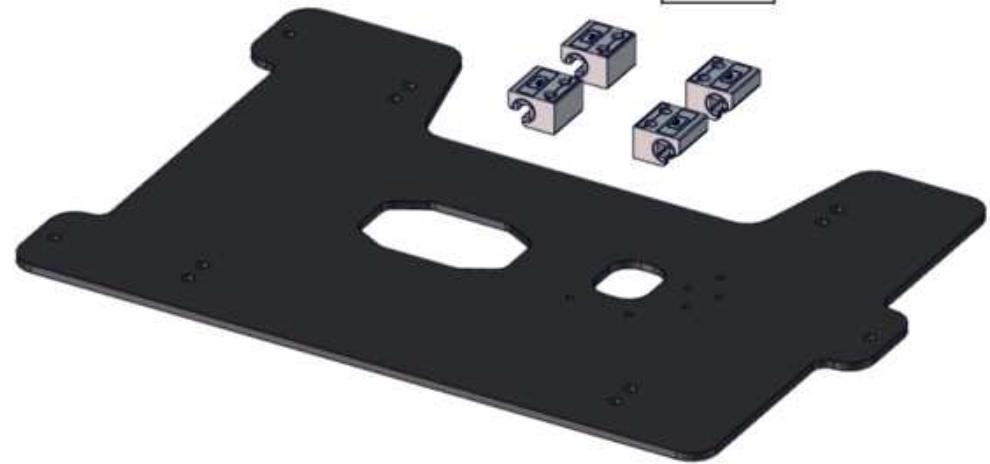


2 BCN3D+ ASSEMBLY GUIDE

Y AXIS



BOX 1

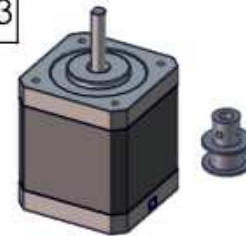


BOX 4

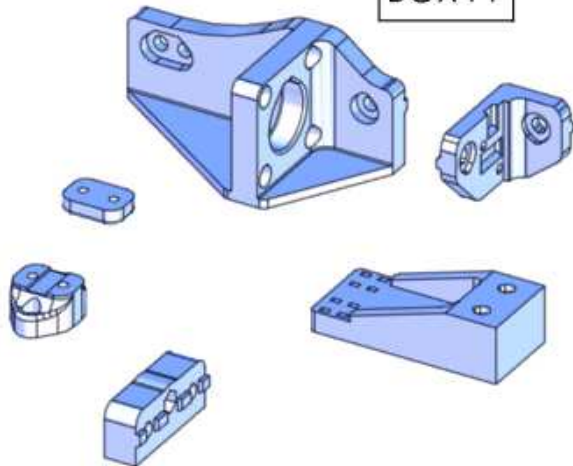
BOX 5



BOX 3



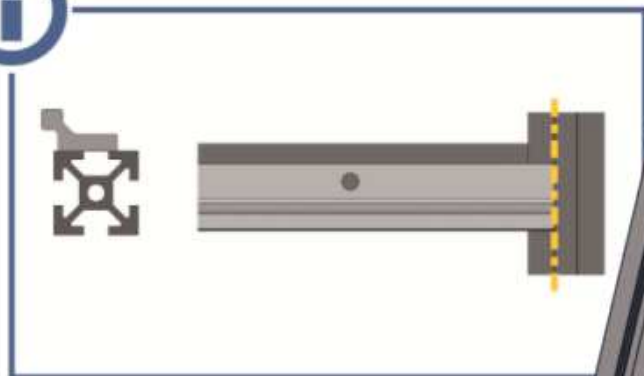
BOX PP



BOX 9

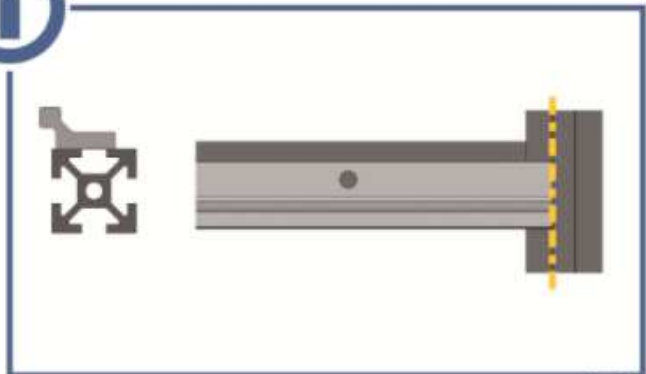


1

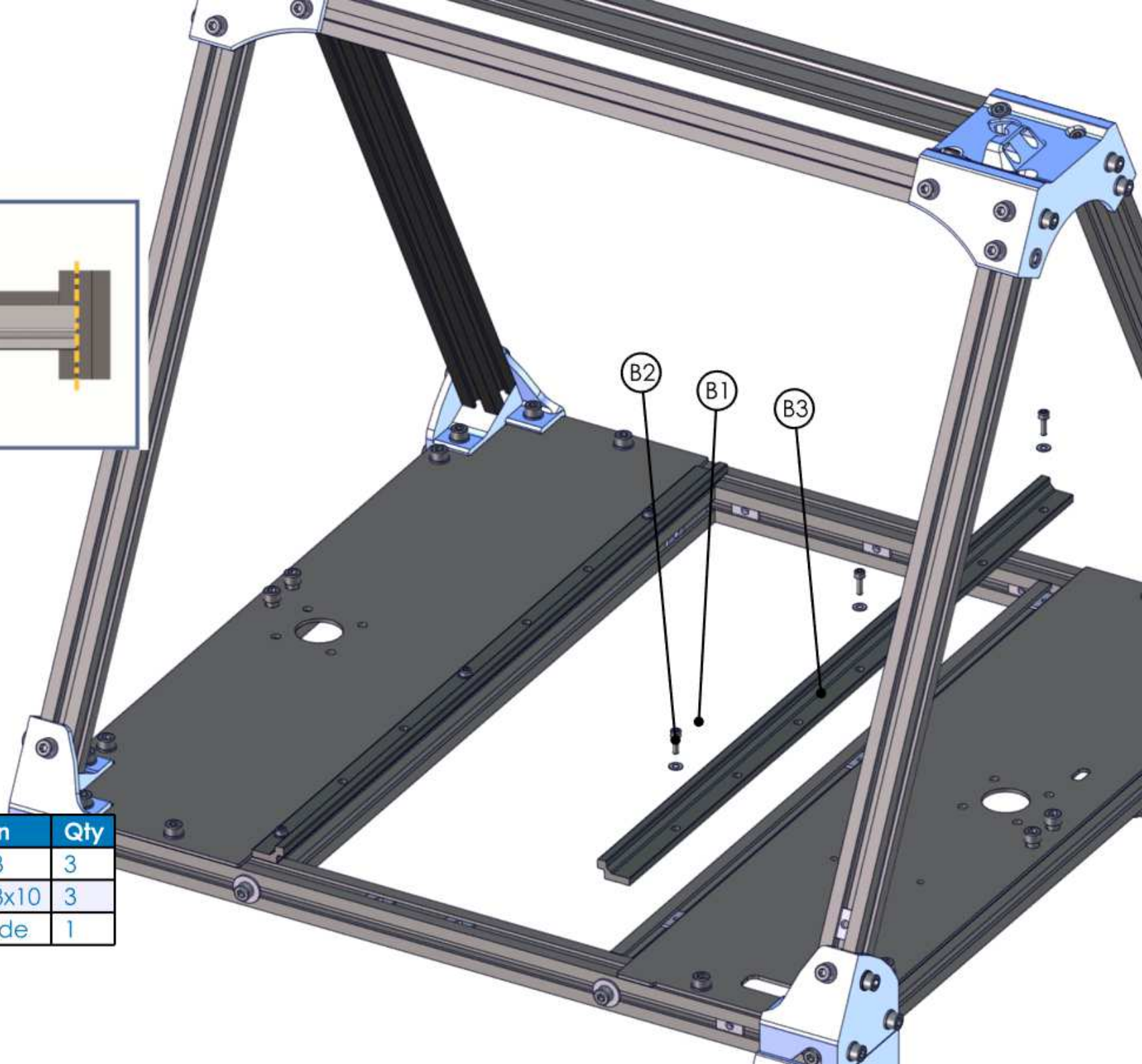


BOM ID	Description	Qty
A1	DIN125 M3	3
A2	DIN912 M3x10	3
A3	Linear Guide	1

2



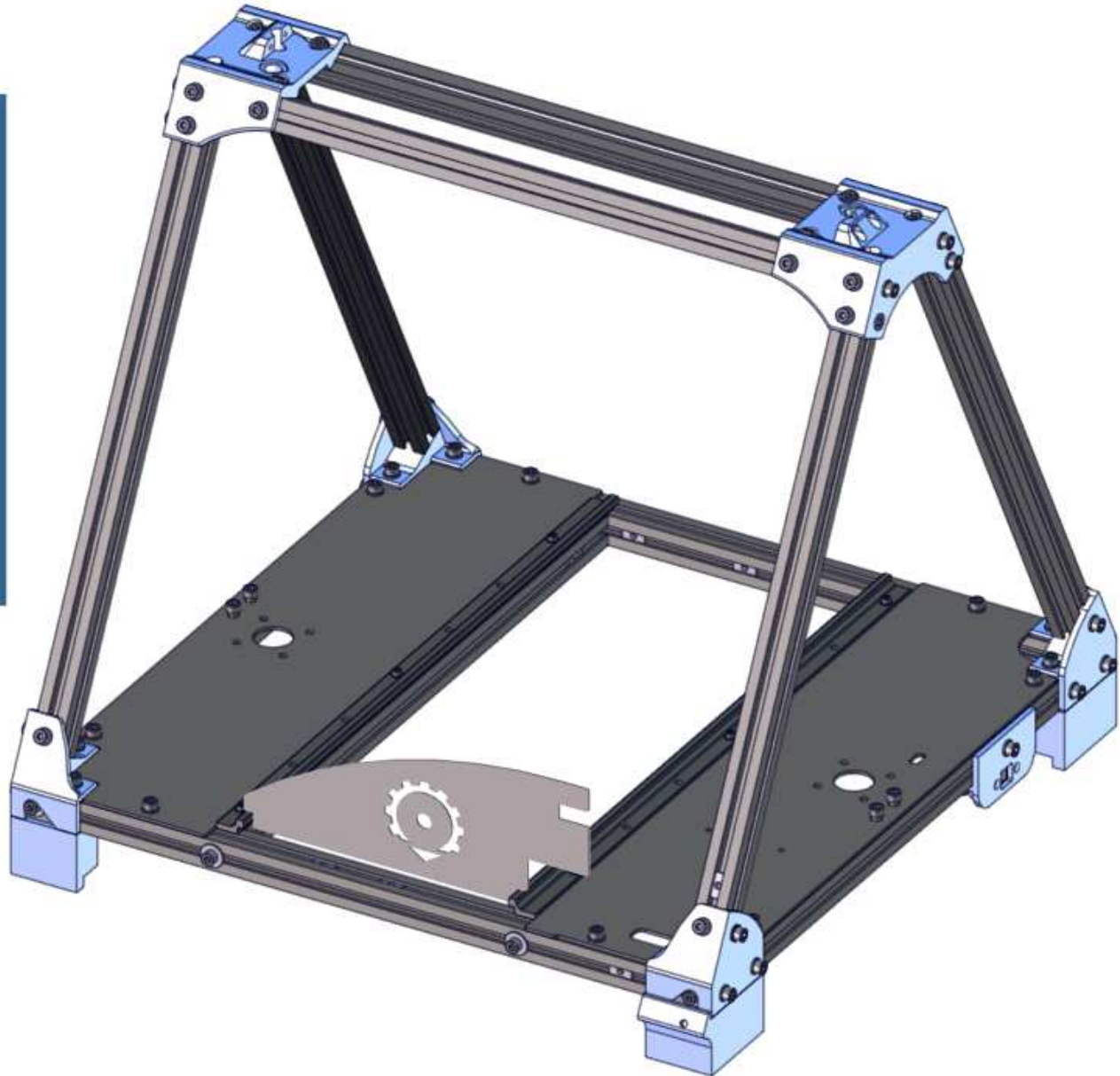
BOM ID	Description	Qty
B1	DIN125 M3	3
B2	DIN912 M3x10	3
B3	Linear Guide	1





Y axis calibration process

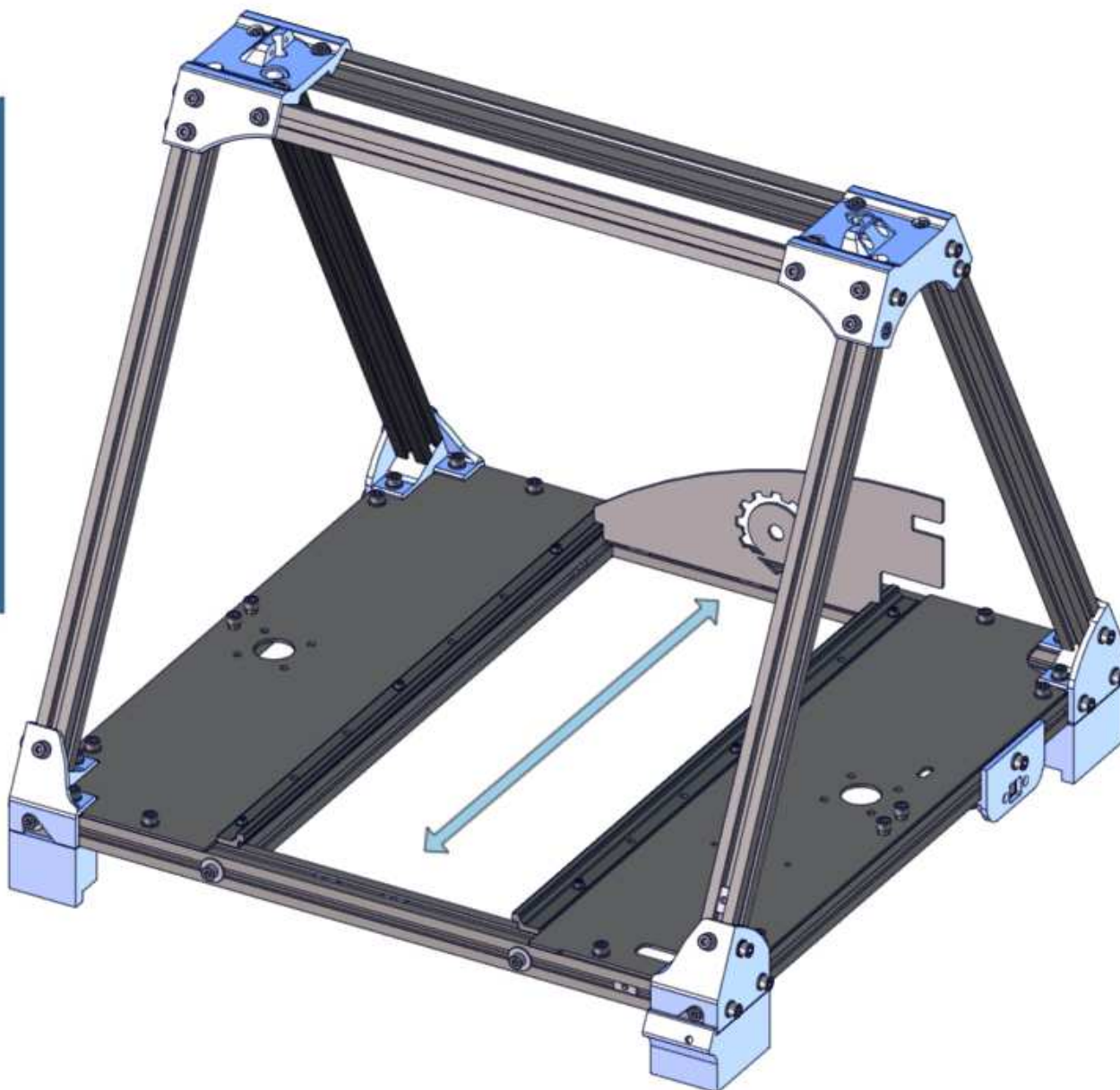
1. Position the tool between the guides as it is shown on the slide #3 and adjust the distance between them touching the tool. Tighten the screws slightly.
2. Move the tool to the other end of the guide checking the parallelism with the tool. At the other end, adjust the distance again and tighten all screws to secure the guides.
3. Check that the tool moves easily without play. If not, repeat the process more precisely.



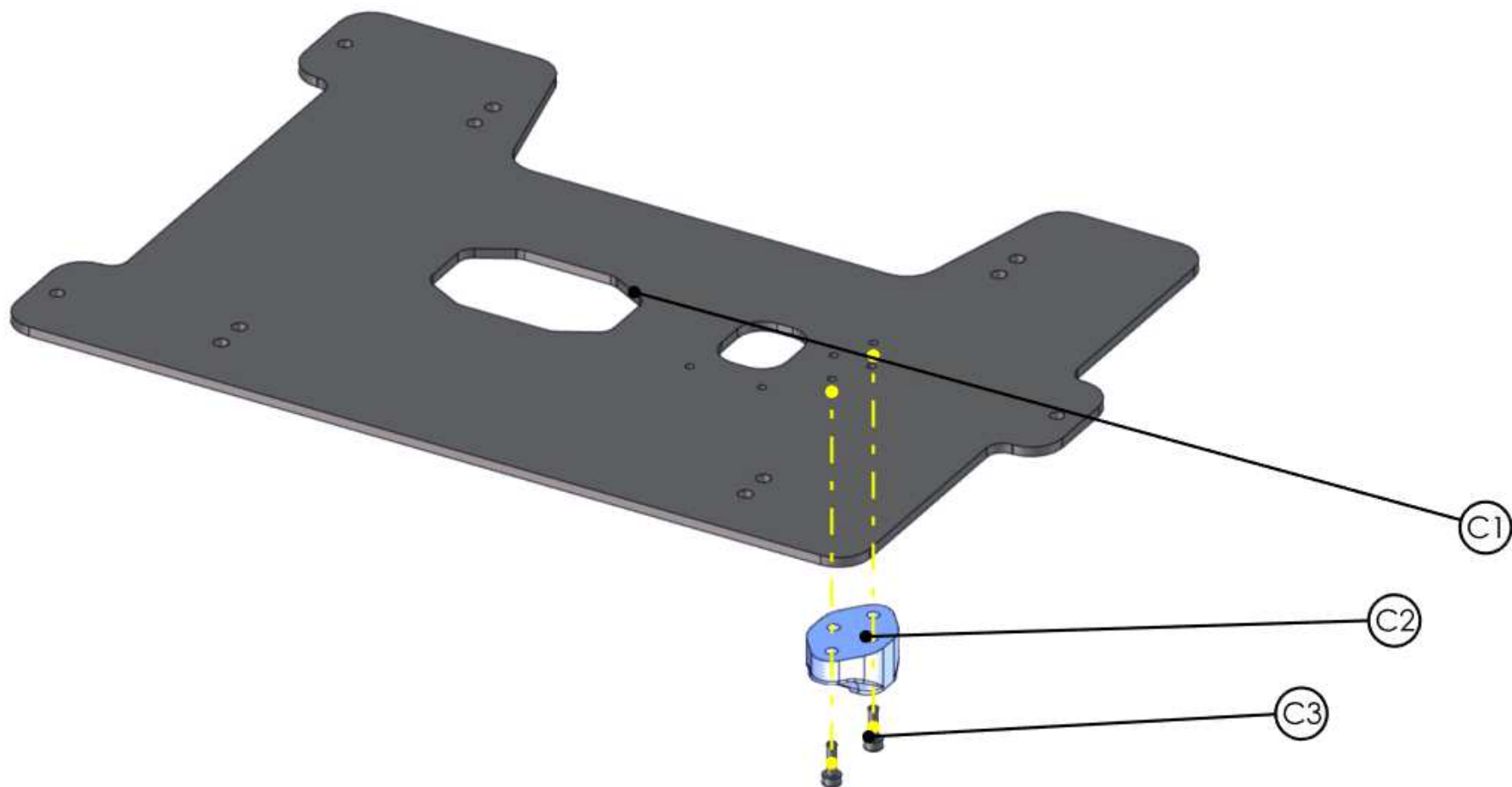


Y axis calibration process

1. Position the tool between the guides as it is shown on the slide #3 and adjust the distance between them touching the tool. Tighten the screws slightly.
2. Move the tool to the other end of the guide checking the parallelism with the tool. At the other end, adjust the distance again and tighten all screws to secure the guides.
3. Check that the tool moves easily without play. If not, repeat the process more precisely.



5



BOM ID	Description	Qty
C1	Lower Platform	1
C2	Belt guide	1
C3	DIN912 M3x10	2

6



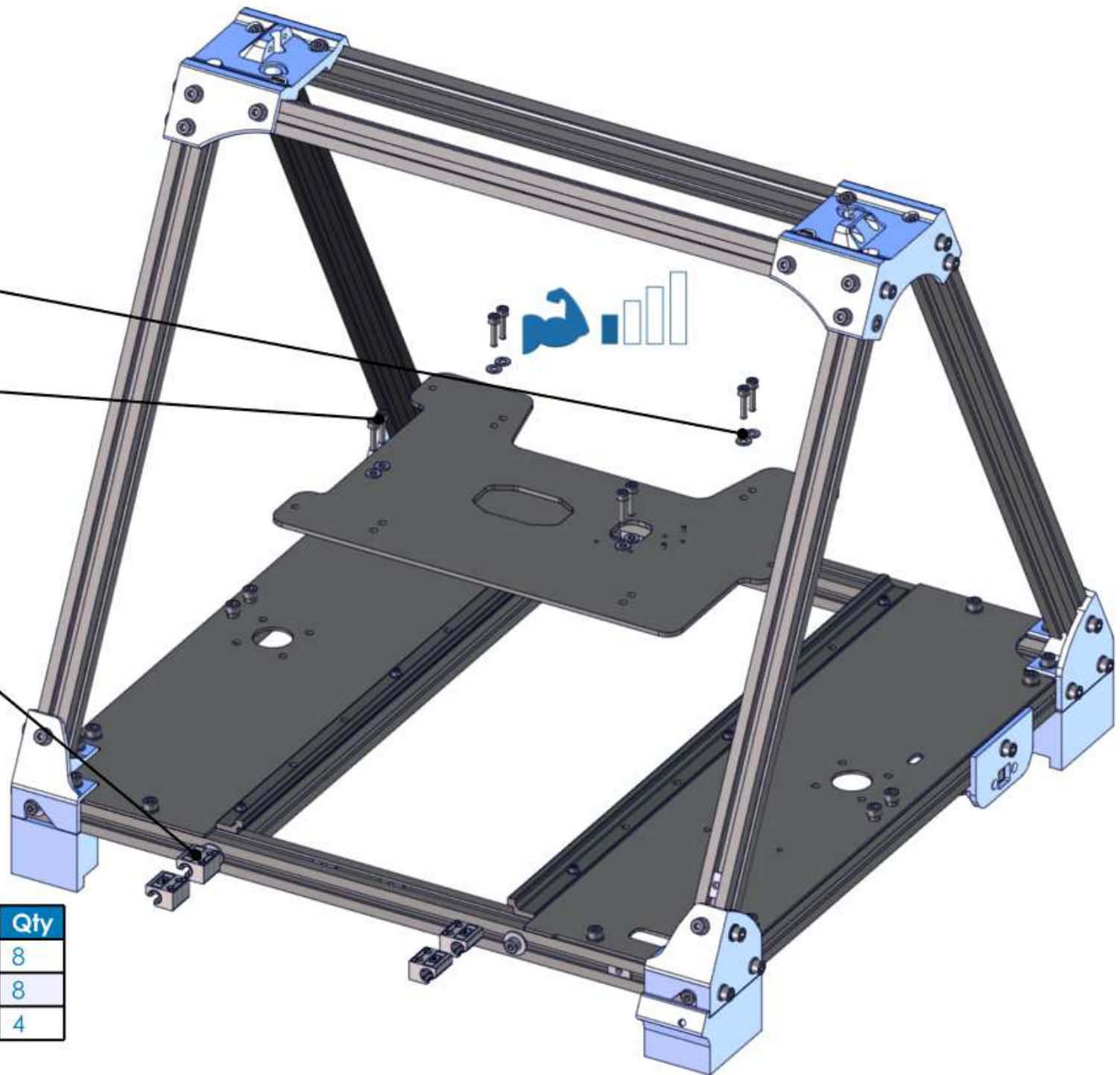
Checking the orientation of the base

BOM ID	Description	Qty
D1	DIN125 M4	8
D2	DIN912 M4x16	8
D3	Drylin W Housing Bearing	4

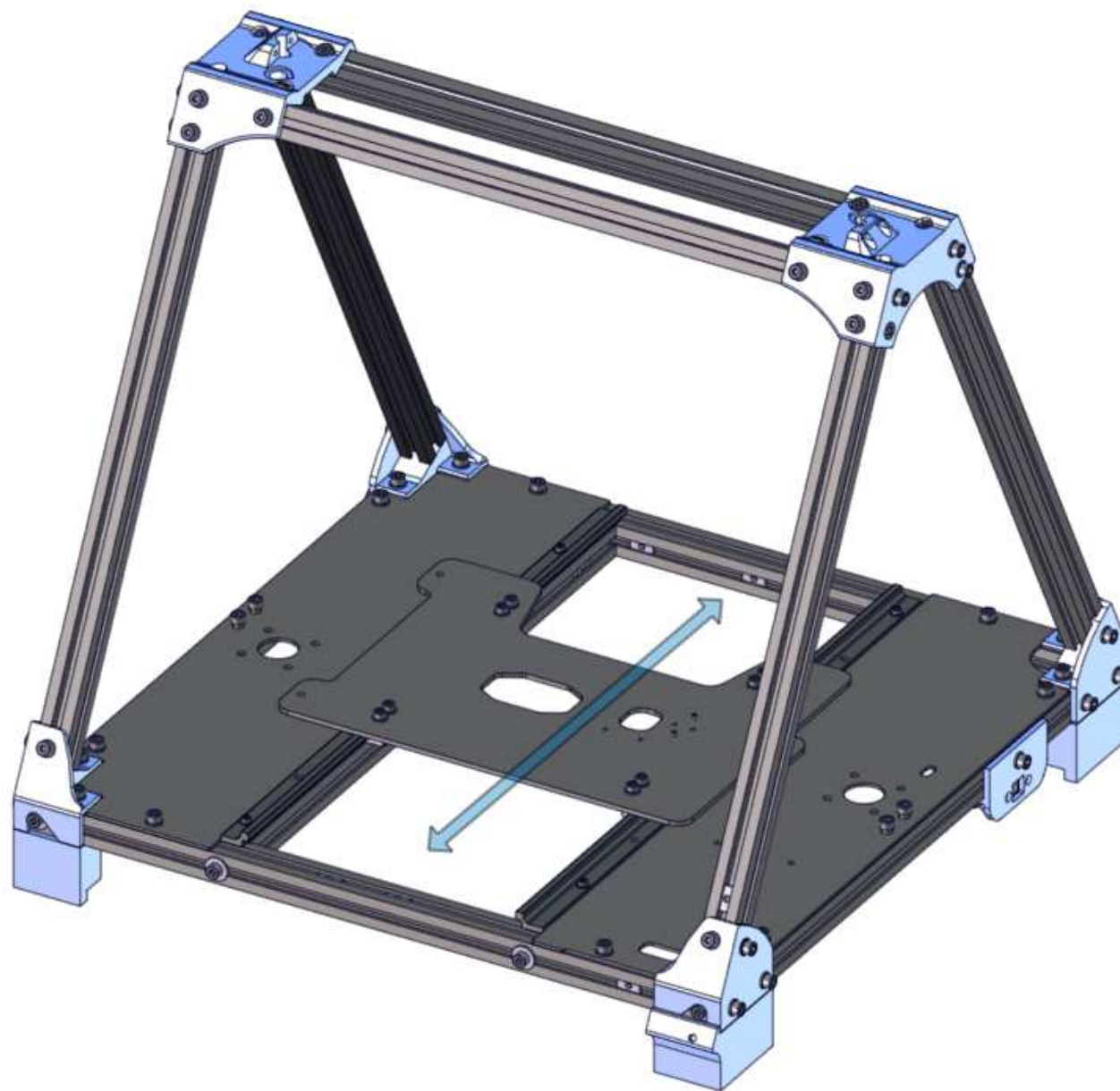
D1

D2

D3



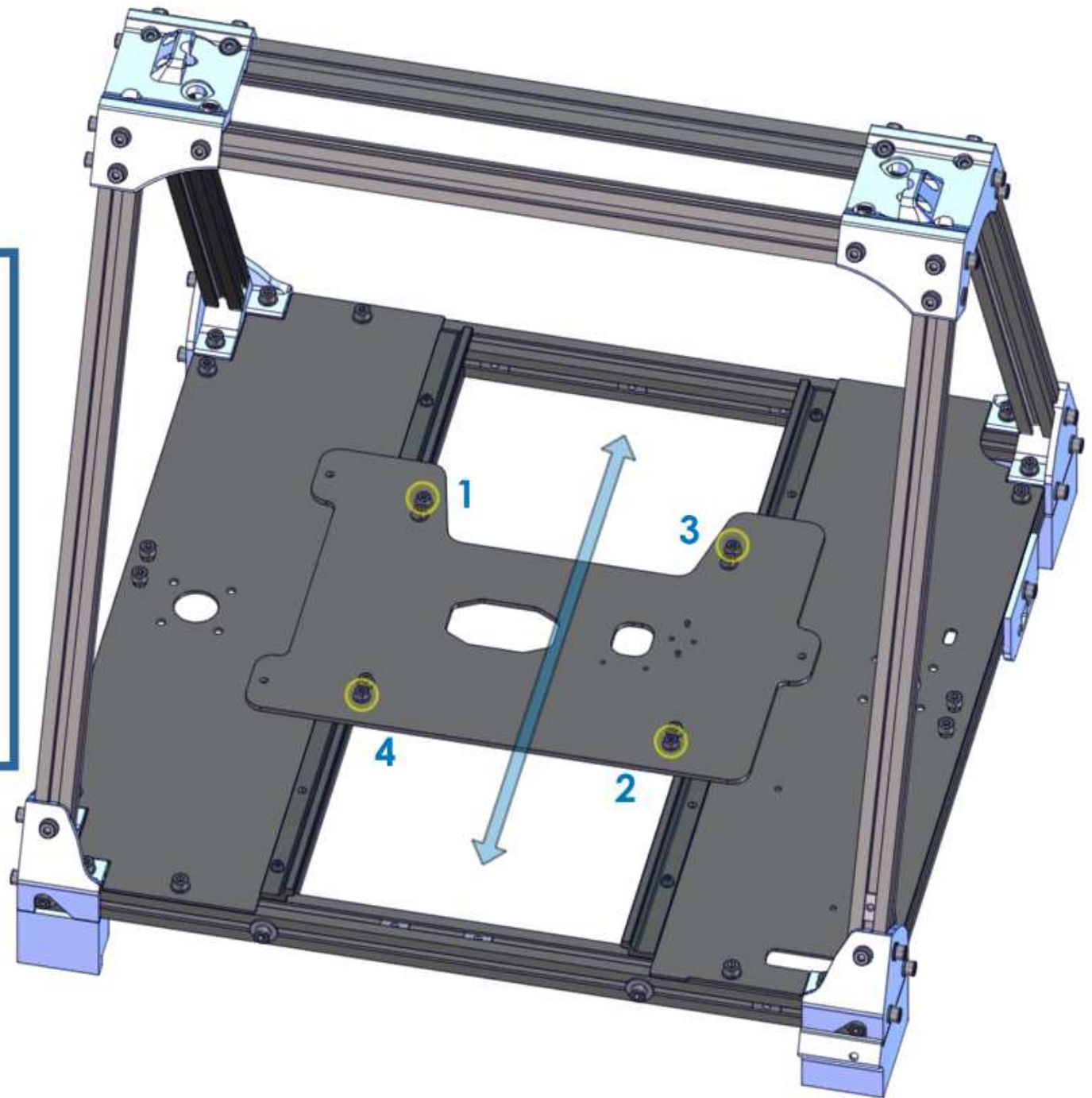
7





Adjustment process of the base

1. Tighten 1/8 turn the screw #1 and move the base from one end to the other end 2 times.
2. Tighten 1/8 turn screw #2 and move the base end to the other end 2 times.
3. Tighten 1/8 turn screw #3 and move the base end to the other end 2 times.
4. Tighten 1/8 turn the screw #4 and move the base end to the other end 2 times.
5. Repeat the above steps to achieve a perfect movement without play on the base.



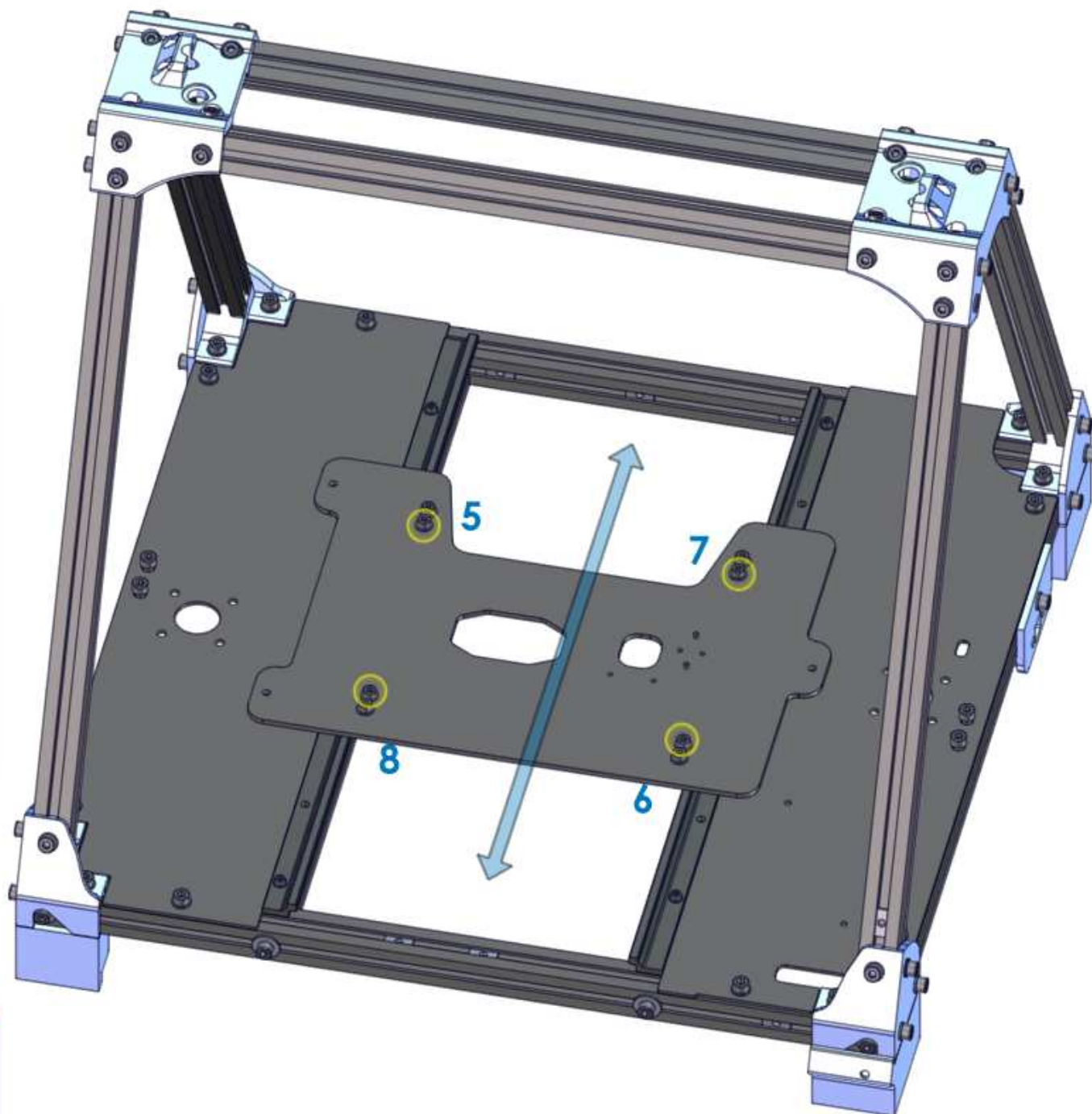


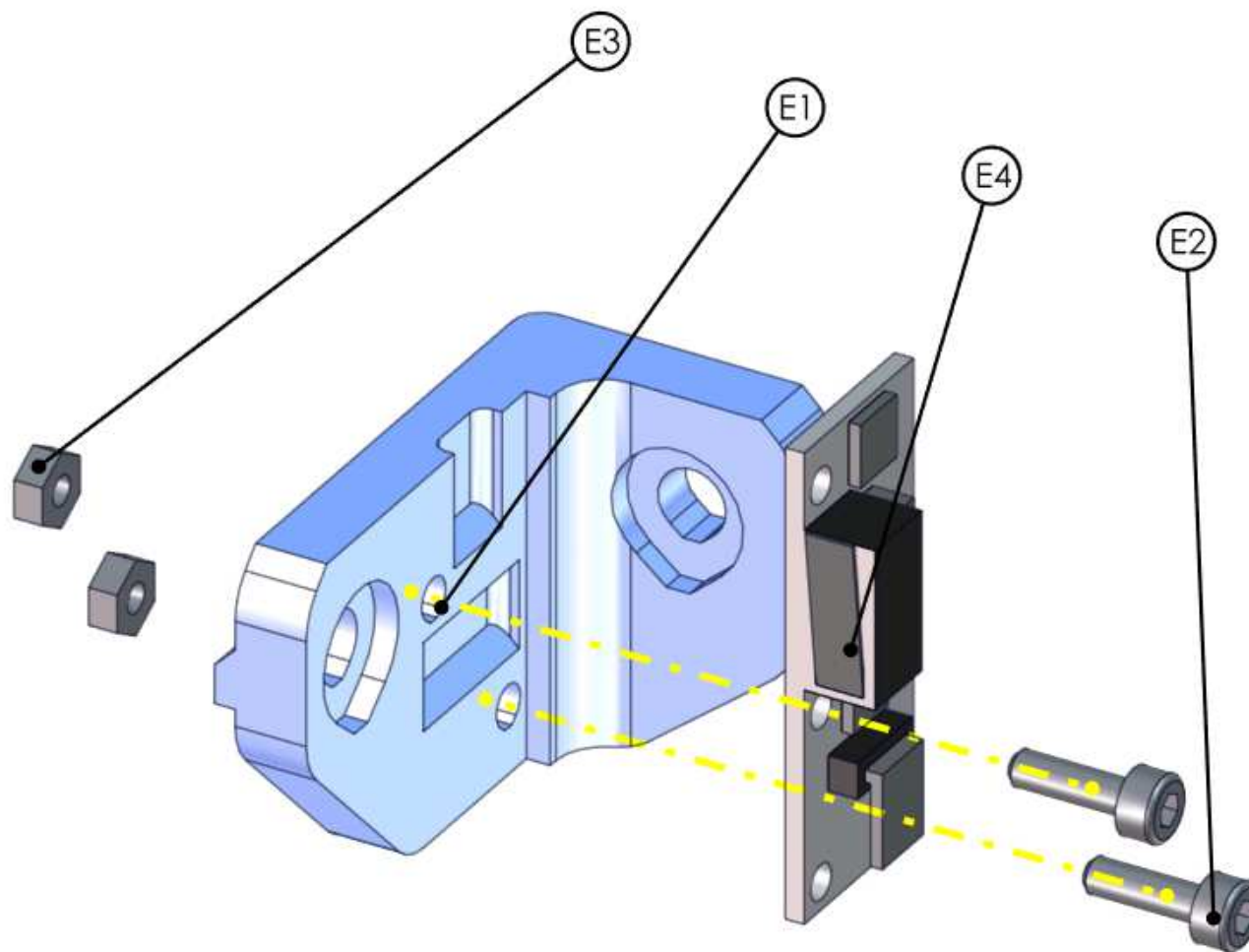
Adjustment process of the base

6. Tighten 1/8 turn the screw #5 and move the base from one end to the other end 2 times.
7. Tighten 1/8 turn screw #6 and move the base end to the other end 2 times.
8. Tighten 1/8 turn screw #7 and move the base end to the other end 2 times.
9. Tighten 1/8 turn the screw #8 and move the base end to the other end 2 times.
10. Repeat the above steps to achieve a perfect movement without play on the base.



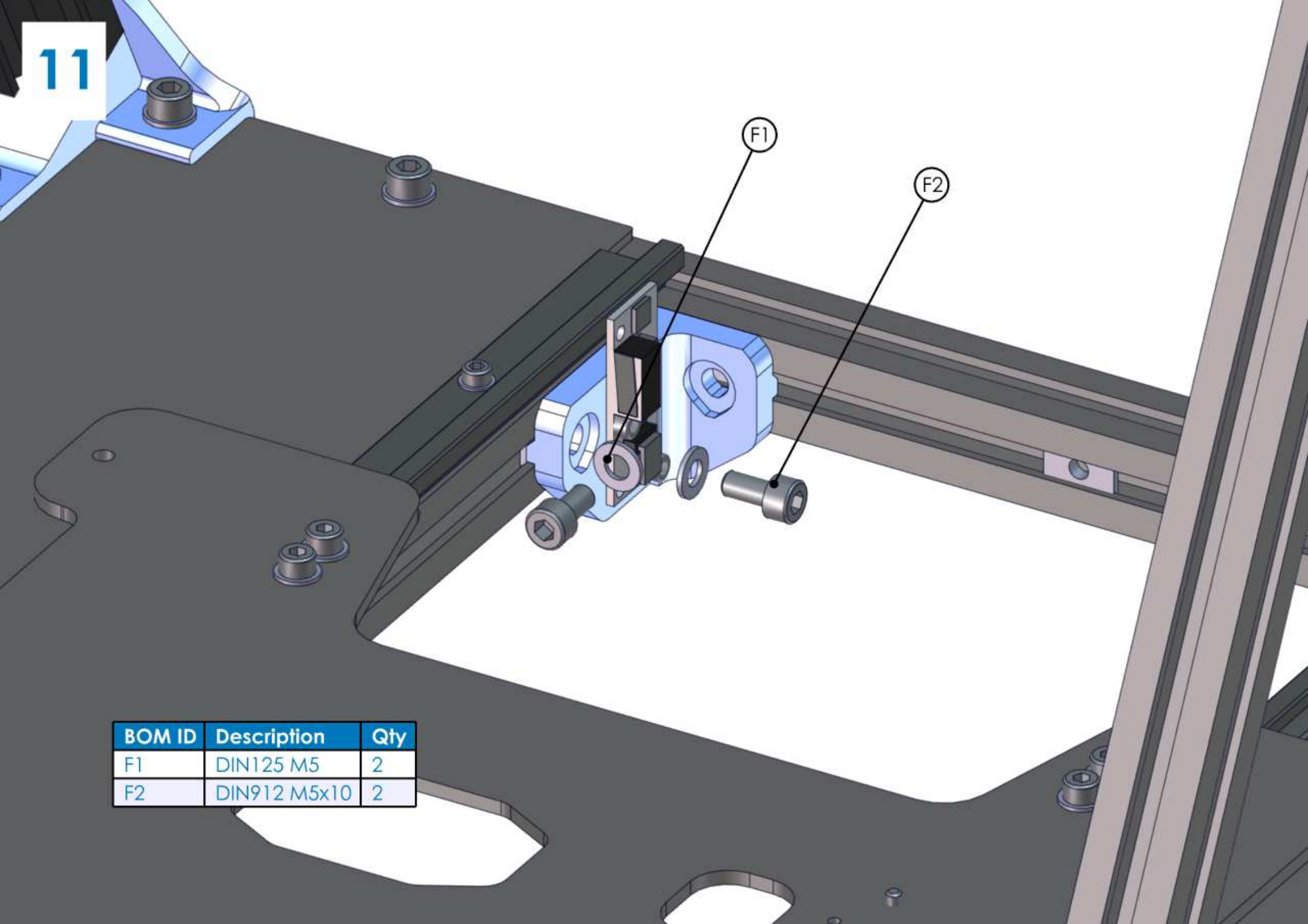
The base should slide smoothly, if not check that the screws are not too tight.



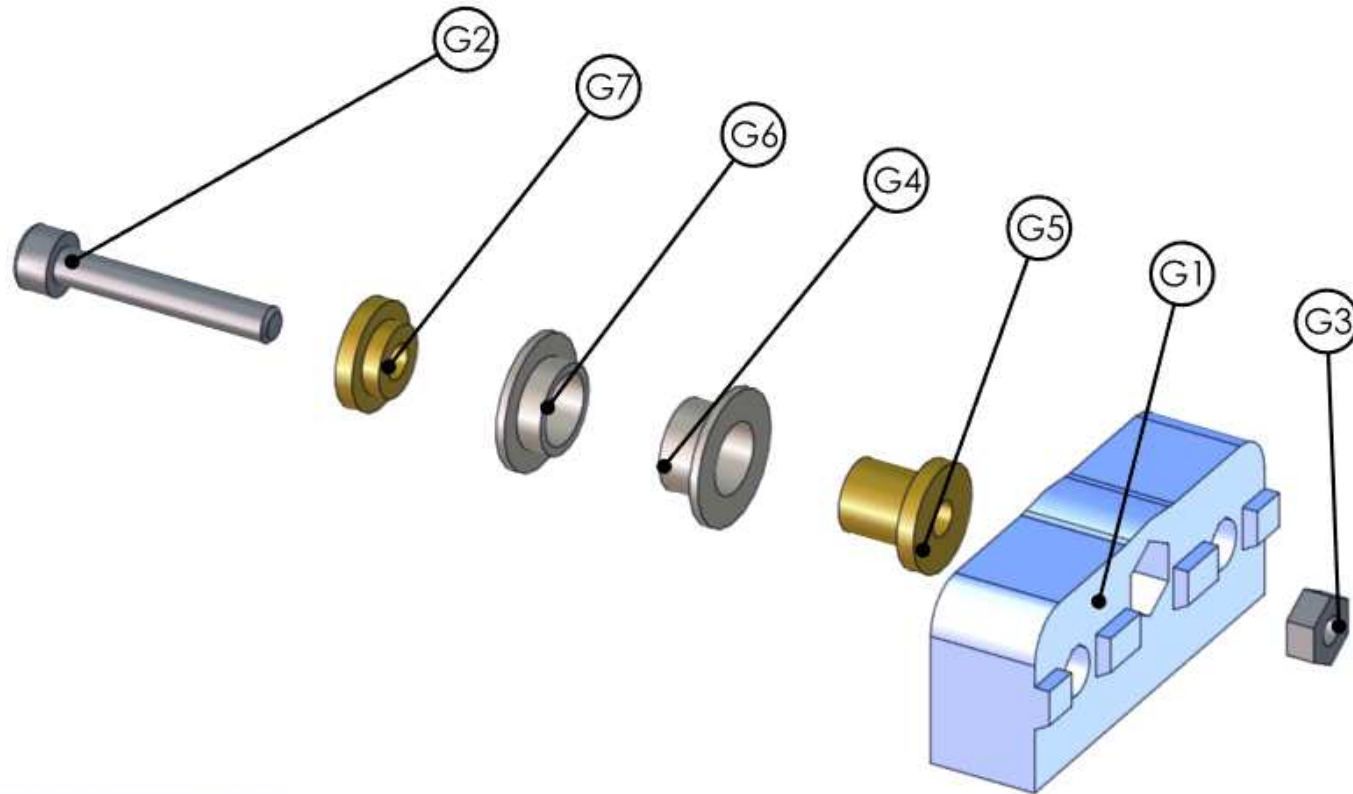


BOM ID	Description	Qty
E1	Endstop Holder	1
E2	DIN912 M3x10	2
E3	DIN934 M3	2
E4	Endstop	1

11

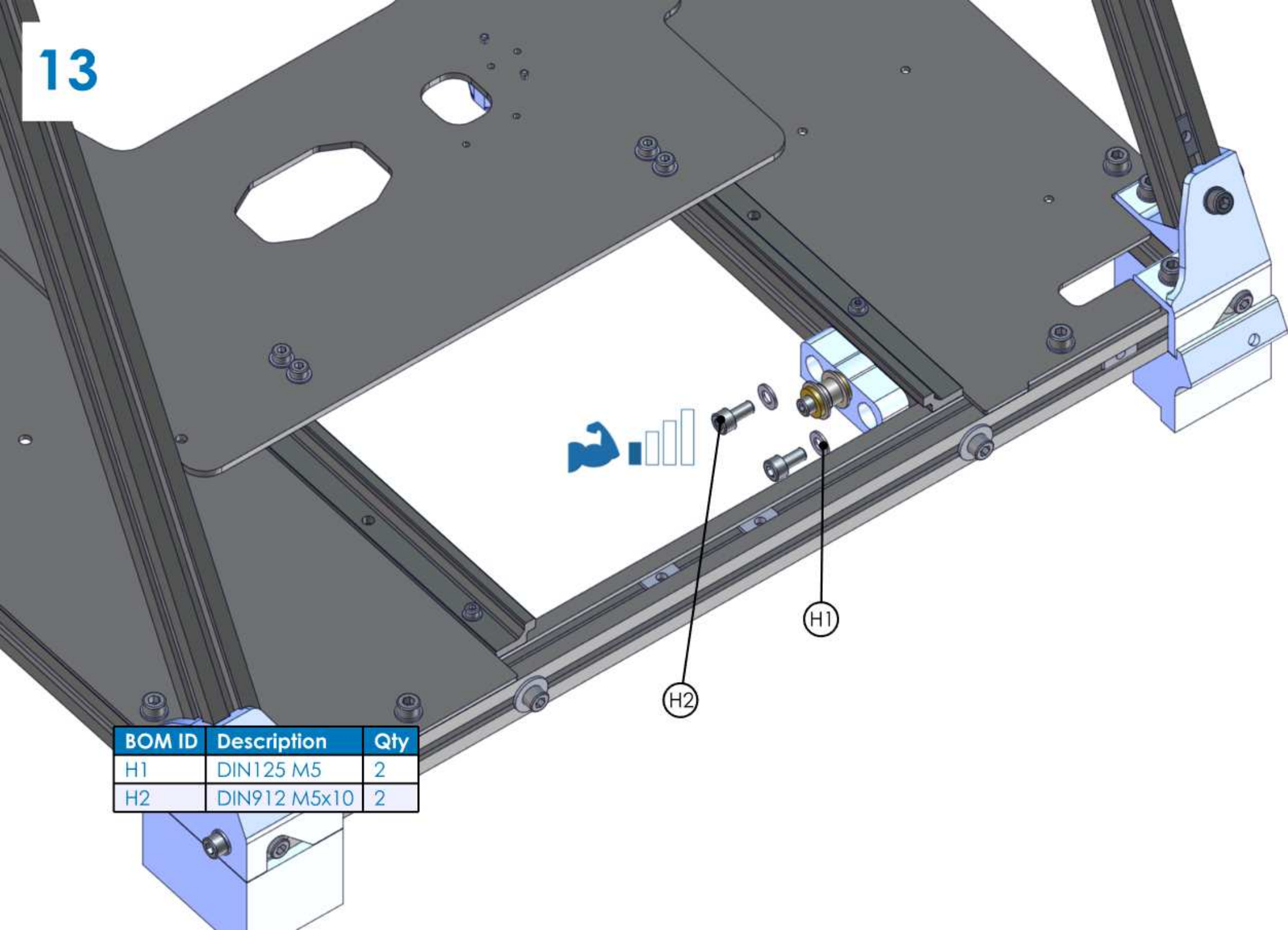


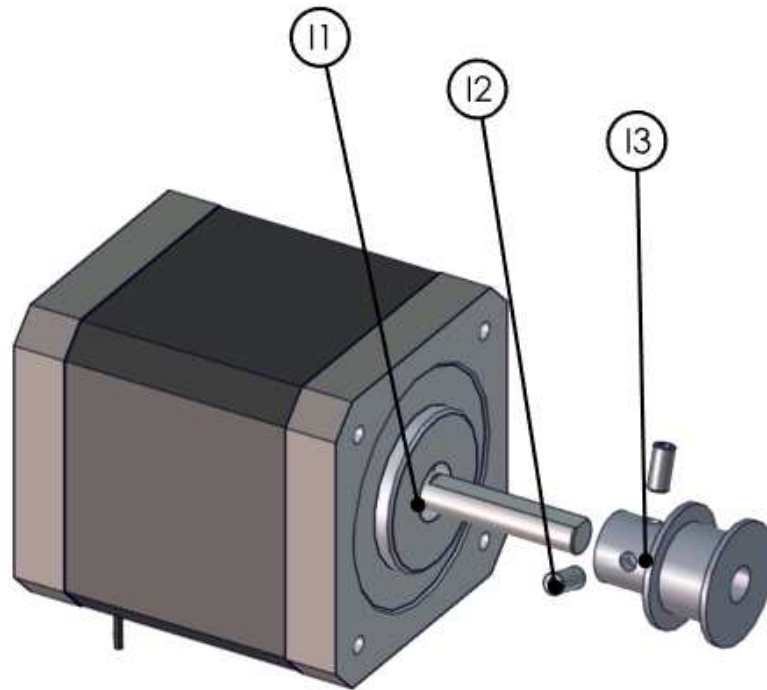
BOM ID	Description	Qty
F1	DIN125 M5	2
F2	DIN912 M5x10	2



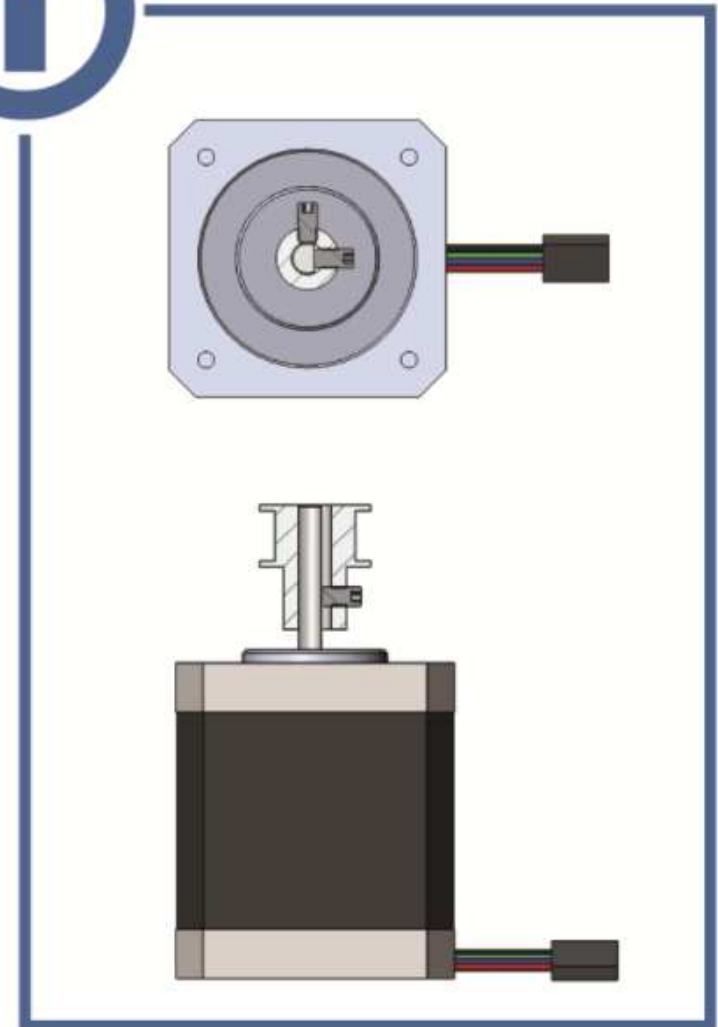
BOM ID	Description	Qty
G1	Y Idler Mount	1
G2	DIN912 M4x25	1
G3	DIN934 M4	1
G4	Plastic Bushing 038	1
G5	Bronze Bushing D4x10	1
G6	Plastic Bushing 06	1
G7	Bronze Bushing D4x4	1

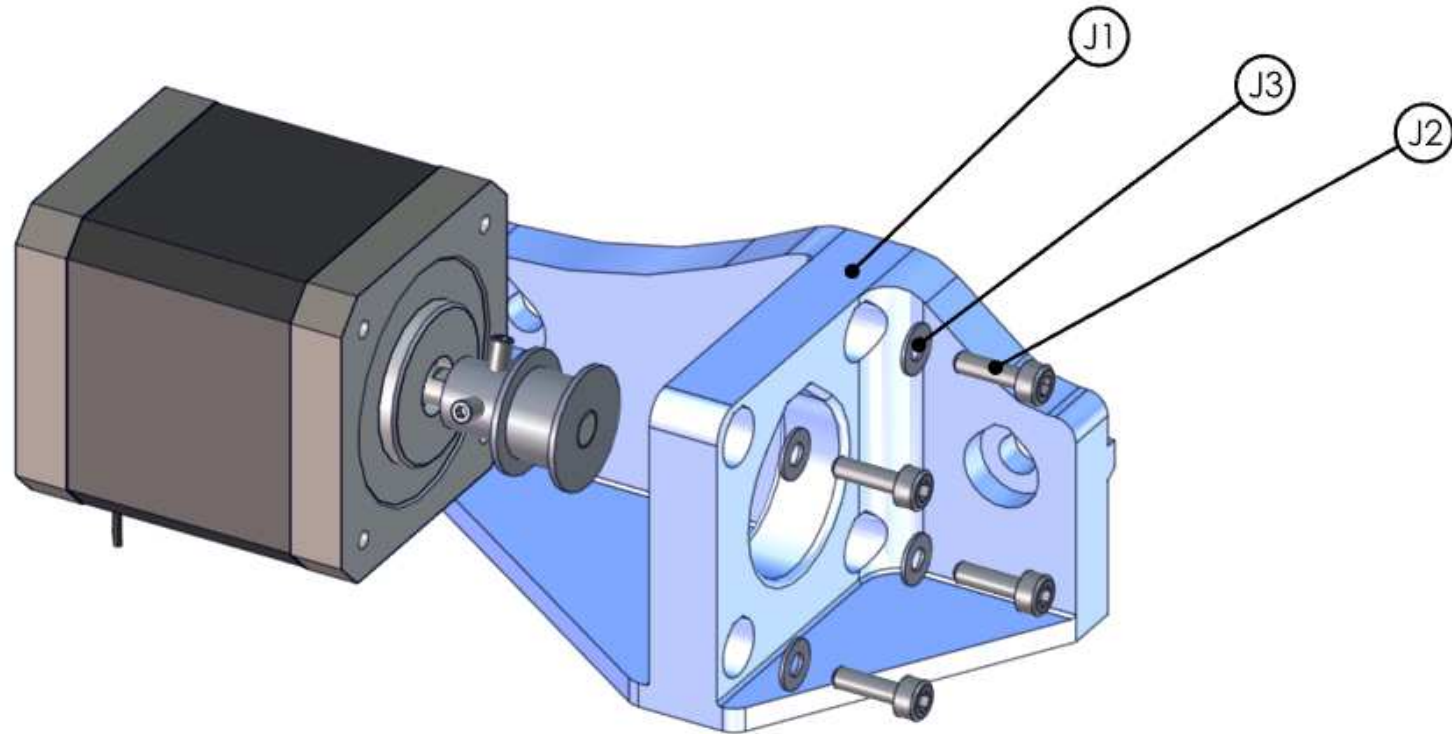
13





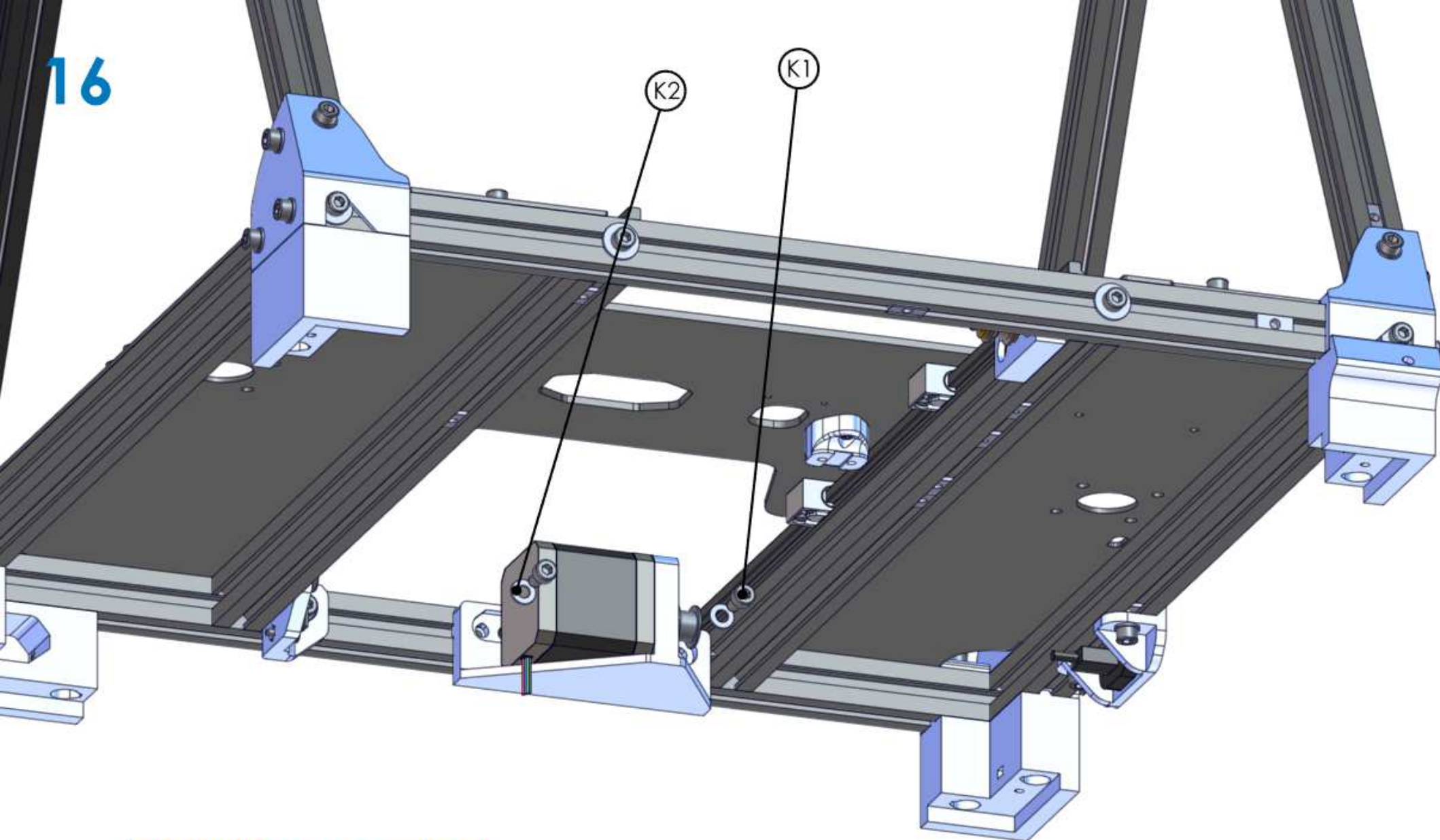
BOM ID	Description	Qty
I1	NEMA 17 Stepper Y axis	1
I2	DIN913 M3x6	2
I3	GT2 Pulley	1





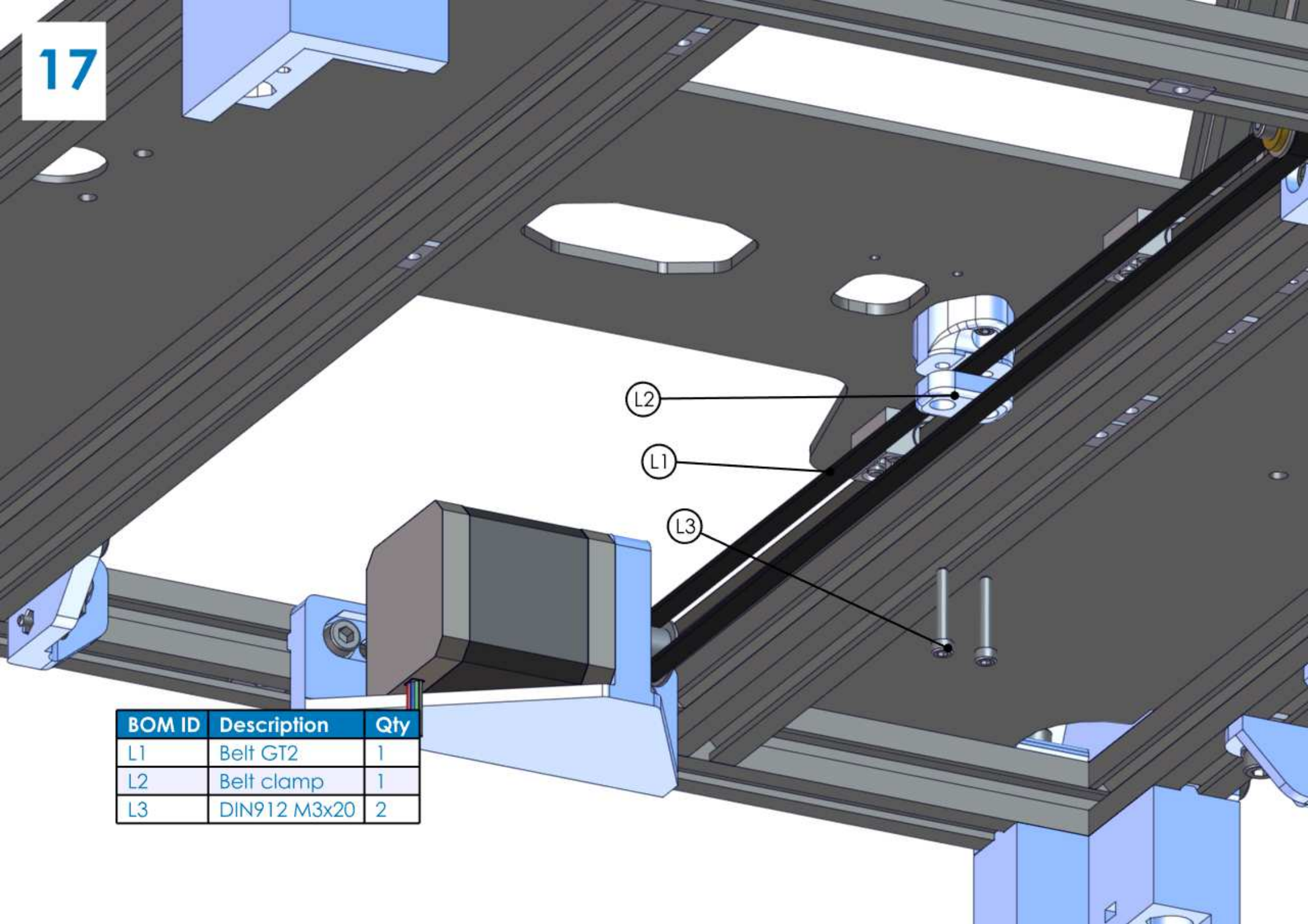
BOM ID	Description	Qty
J1	Stepper mount	1
J2	DIN912 M3x10	4
J3	DIN125 M3	4

16

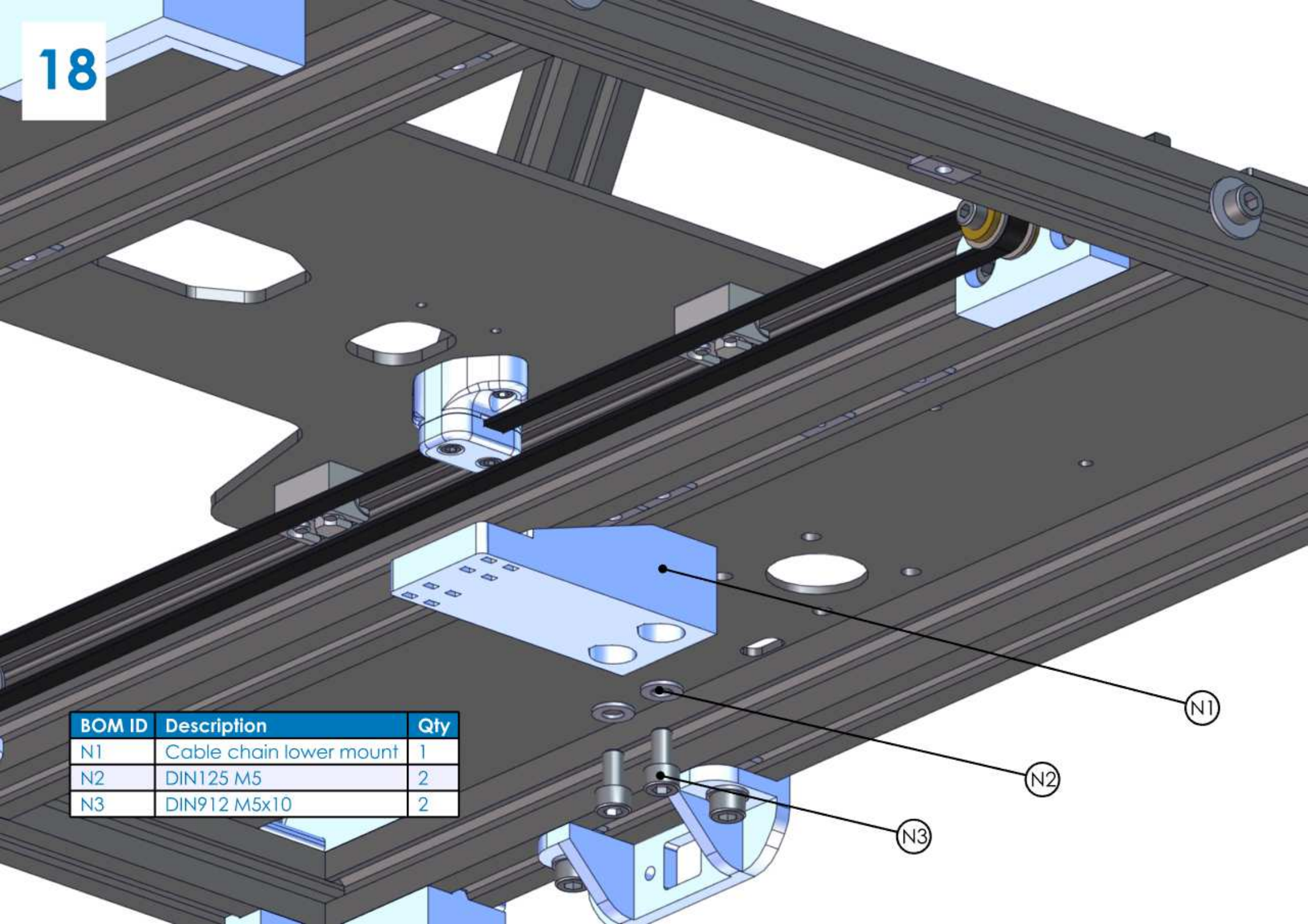


BOM ID	Description	Qty
K1	DIN912 M5x10	2
K2	DIN125 M5	2

17



BOM ID	Description	Qty
L1	Belt GT2	1
L2	Belt clamp	1
L3	DIN912 M3x20	2



This technical diagram shows an exploded view of a cable chain assembly. A black cable chain runs diagonally across the frame. Various components are shown in their relative positions for assembly. A blue L-shaped bracket (N1) is positioned to be mounted onto the underside of the main structure. Two screws (N2) and two longer screws (N3) are shown being inserted into the bracket. Callout lines connect the labels N1, N2, and N3 to their respective parts in the assembly.

BOM ID	Description	Qty
N1	Cable chain lower mount	1
N2	DIN125 M5	2
N3	DIN912 M5x10	2

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