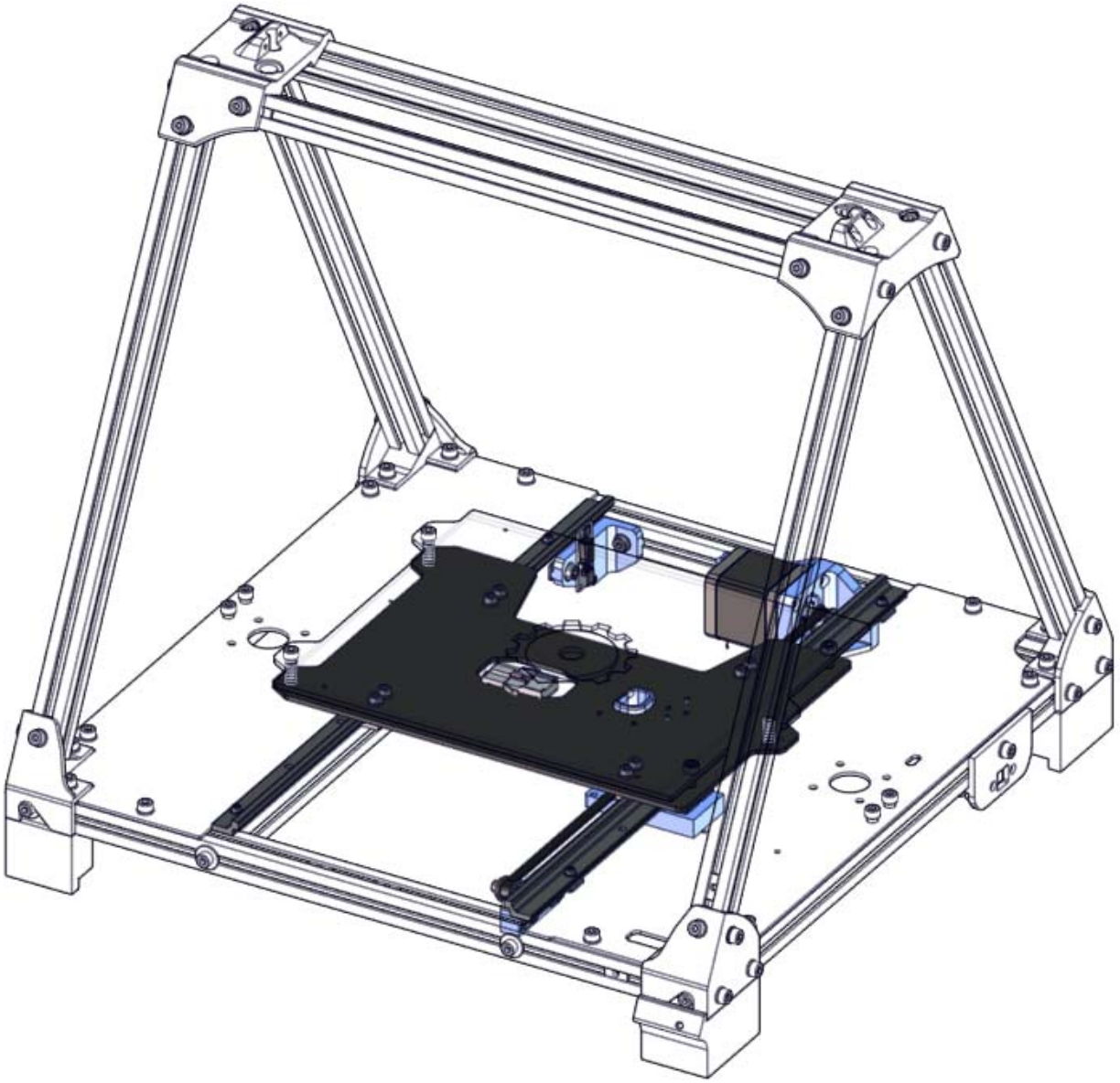
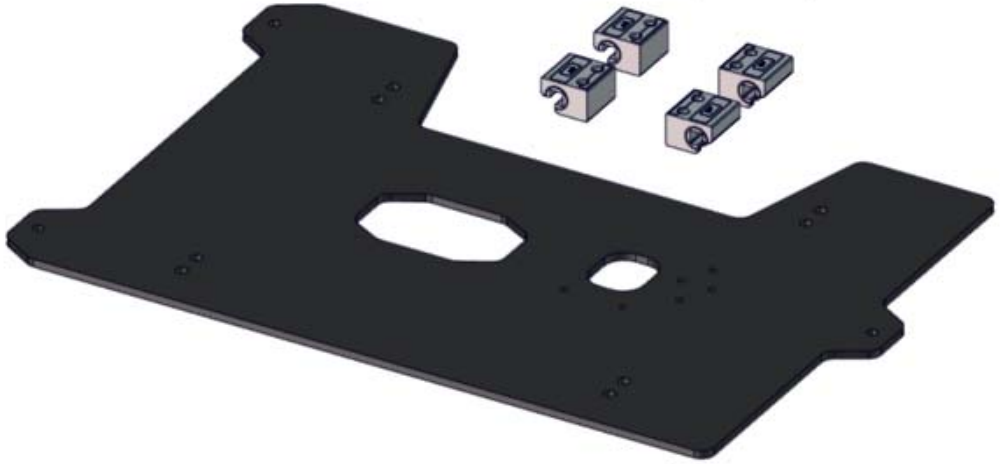
2 BCN3D+ ASSEMBLY GUIDE
Y AXIS



2 BCN3D+ ASSEMBLY GUIDE
Y AXIS

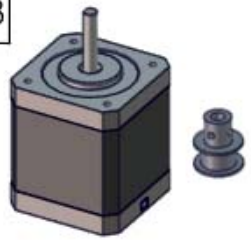
BOX 1

BOX 4

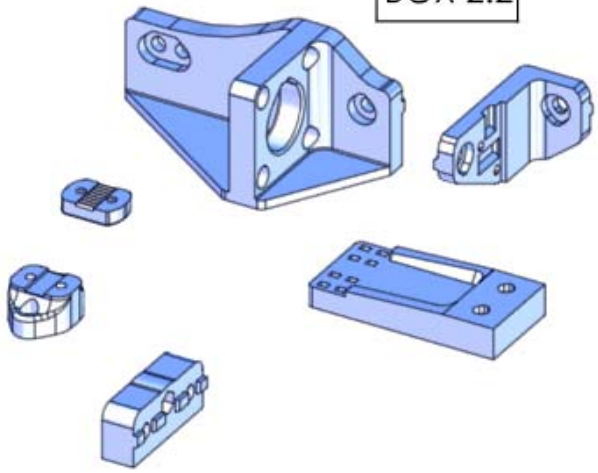


BOX 5

BOX 3

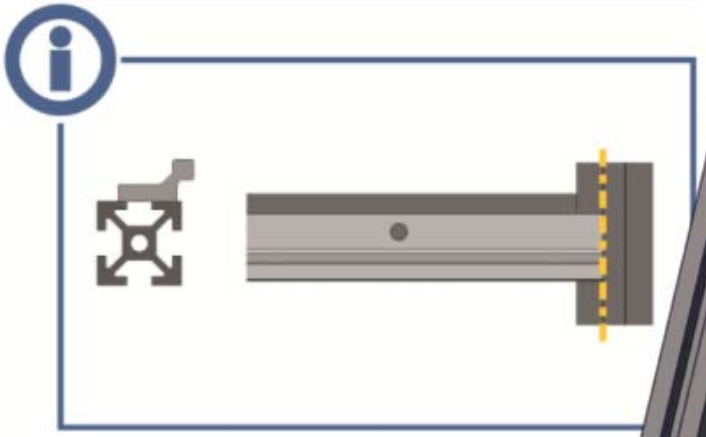


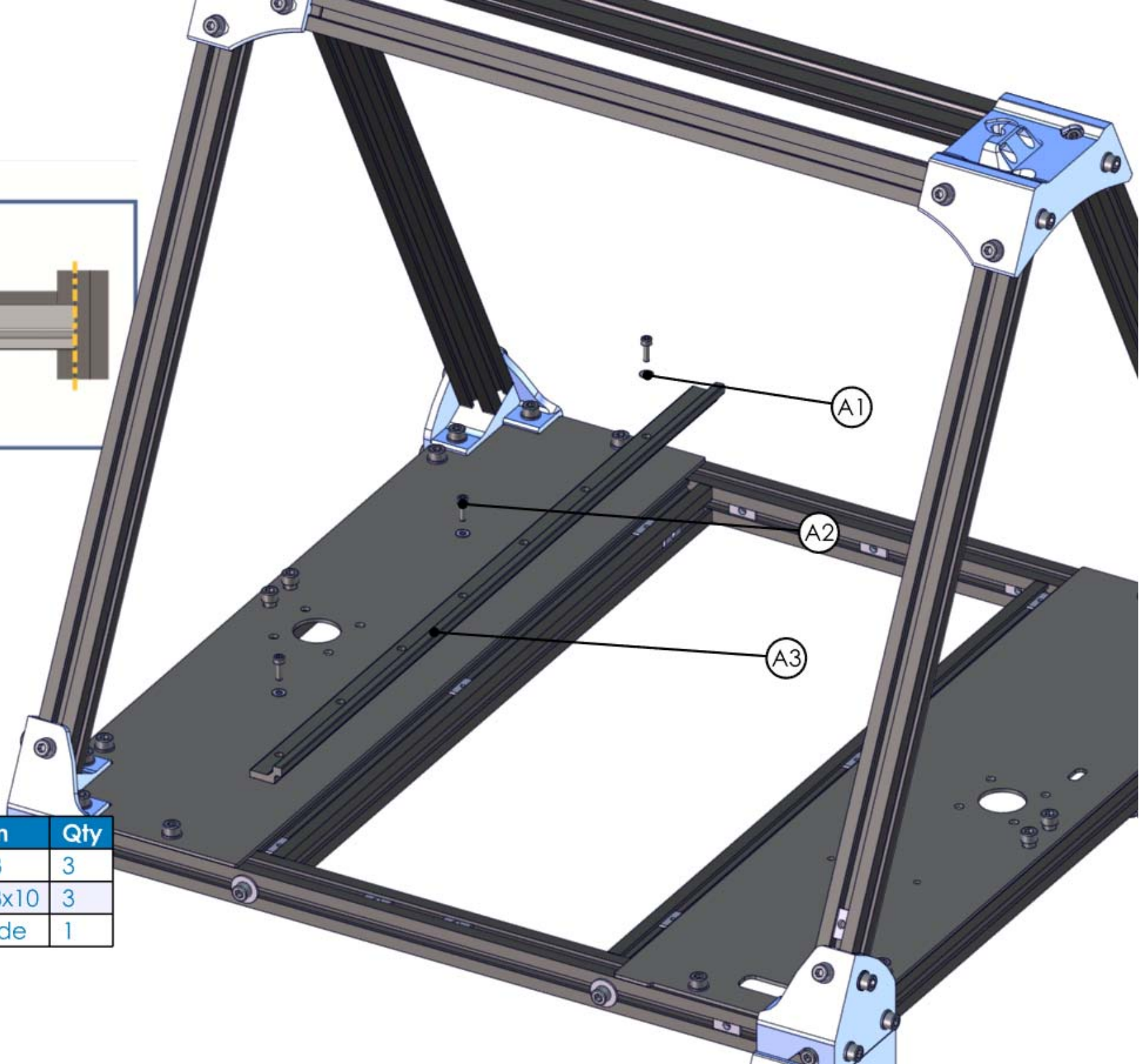
BOX 2.2



BOX 9

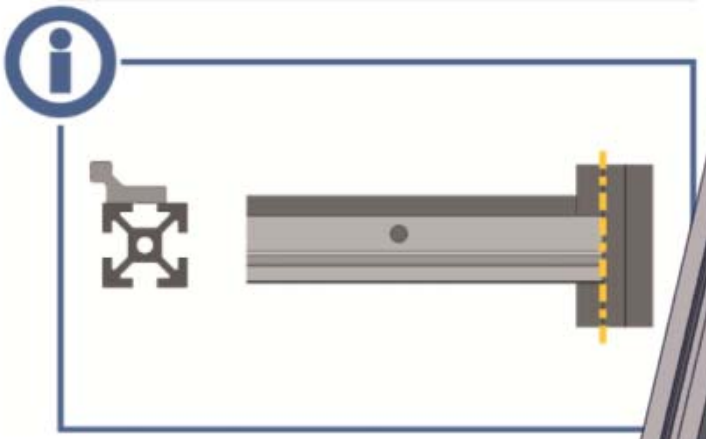
1

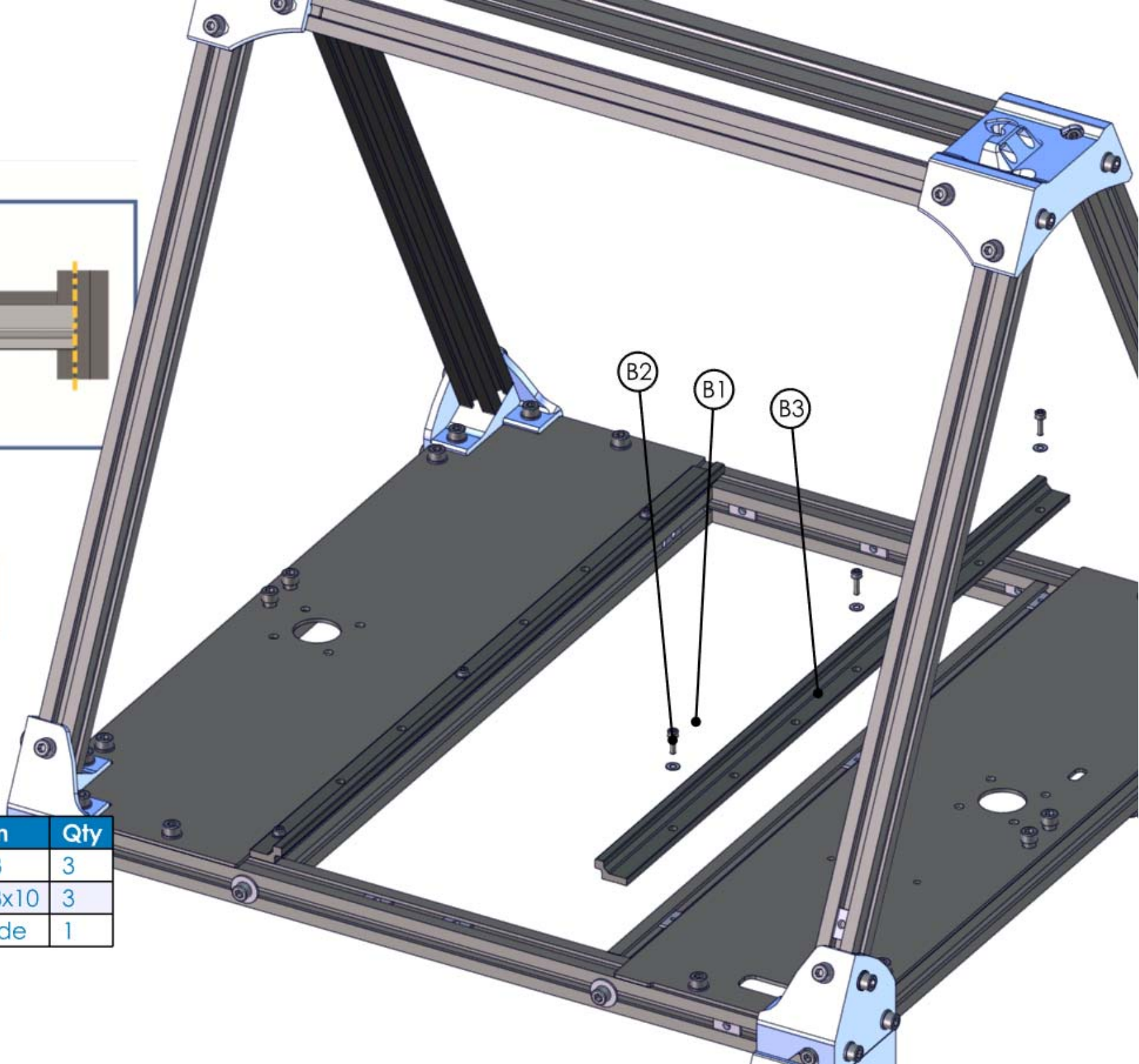




BOM ID	Description	Qty
A1	DIN125 M3	3
A2	DIN912 M3x10	3
A3	Linear Guide	1

2





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

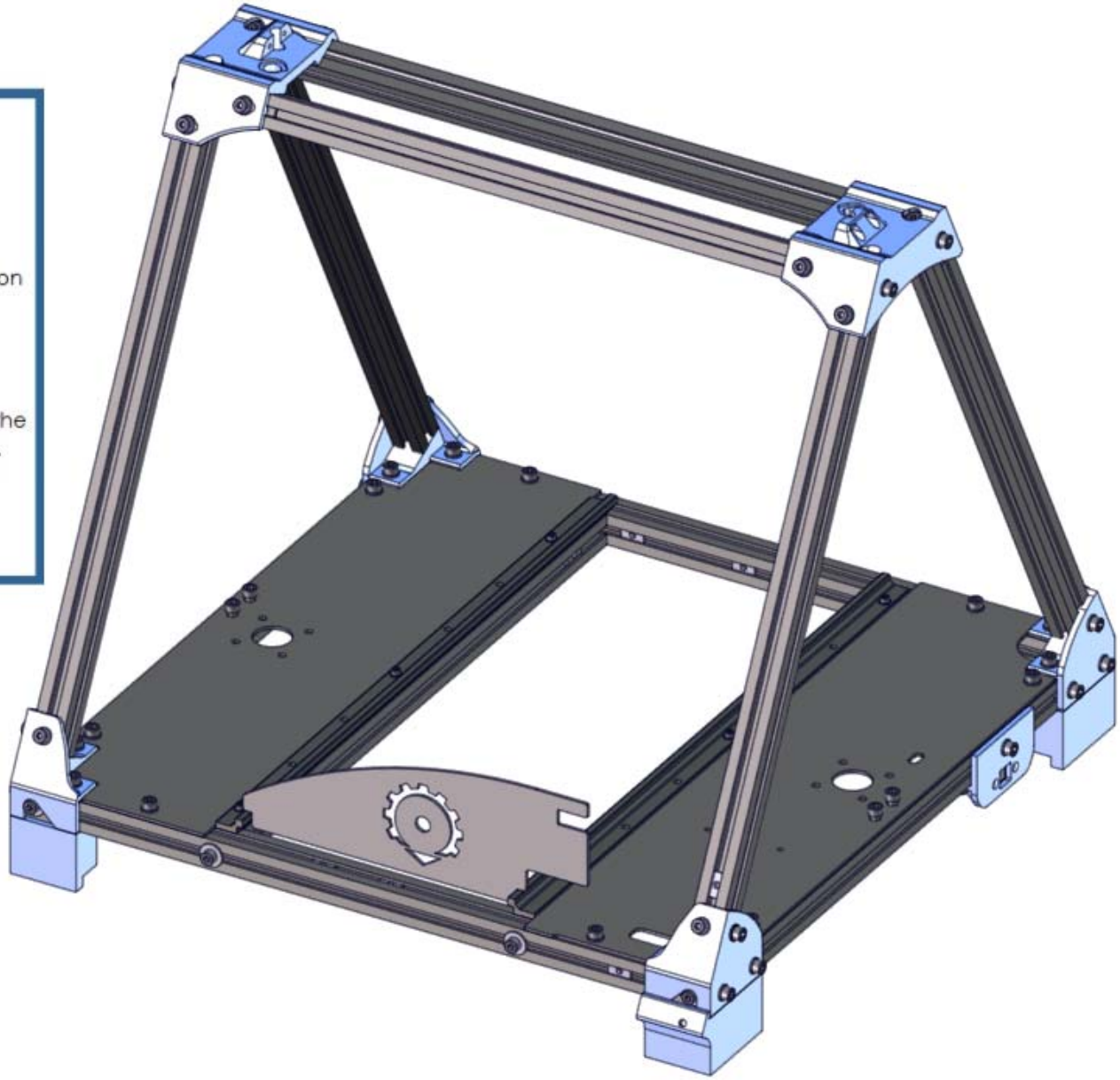
3

Y axis calibration process

1. Position the tool between the guides as shown on slide n°3 both guide must touch the tool. Slightly tighten the screws

2. Move the tool to the other side of the guides checking the parallelism. At the other side, adjust the distance again and tighten all screws to fix guides.

3. Check that the tool moves easily but without gaps, if not repeat the process.



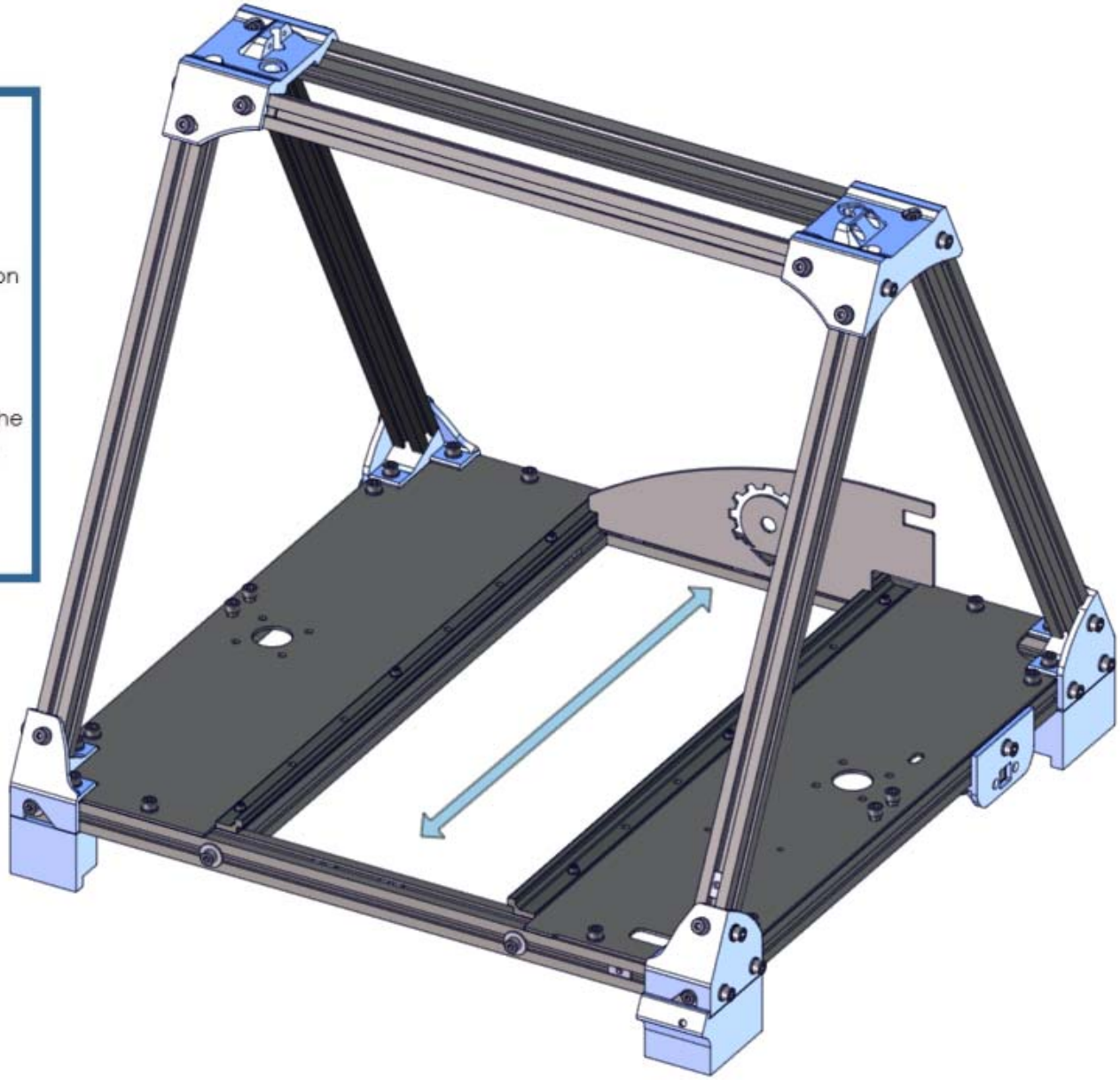
4

Y axis calibration process

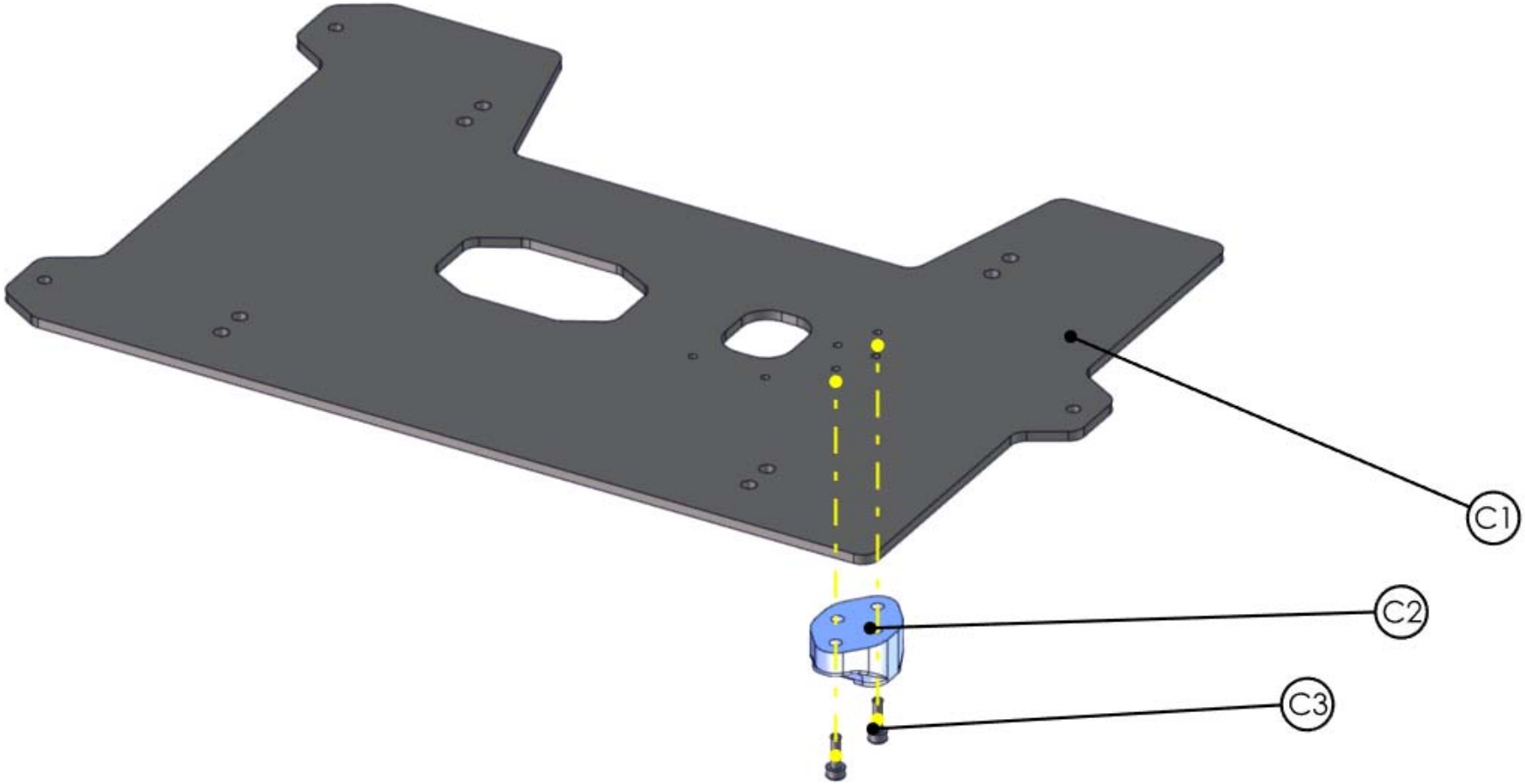
1. Position the tool between the guides as shown on slide n°3 both guide must touch the tool. Slightly tighten the screws

2. Move the tool to the other side of the guides checking the parallelism. At the other side, adjust the distance again and tighten all screws to fix guides.

3. Check that the tool moves easily but without gaps, if not repeat the process.

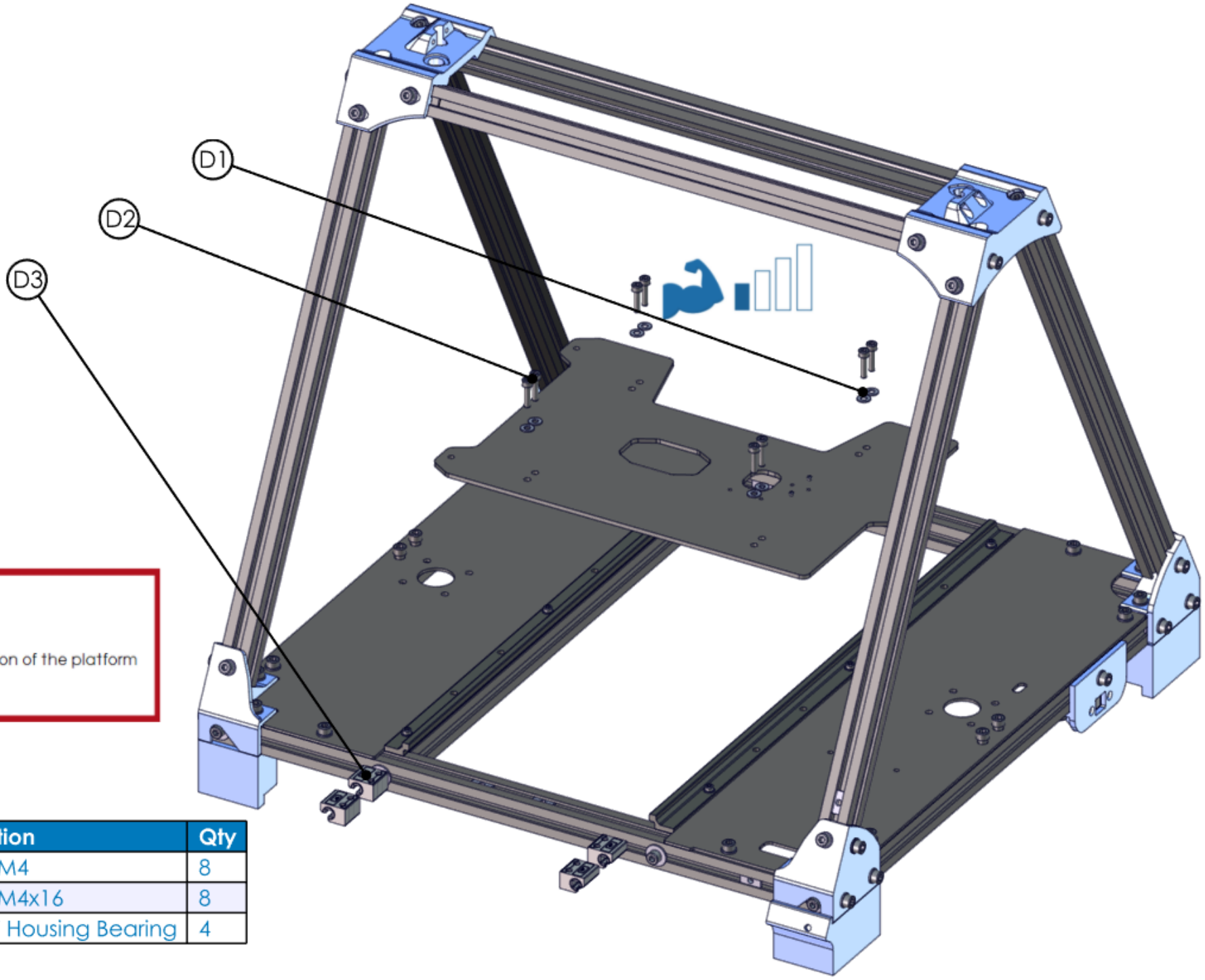


5



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

6

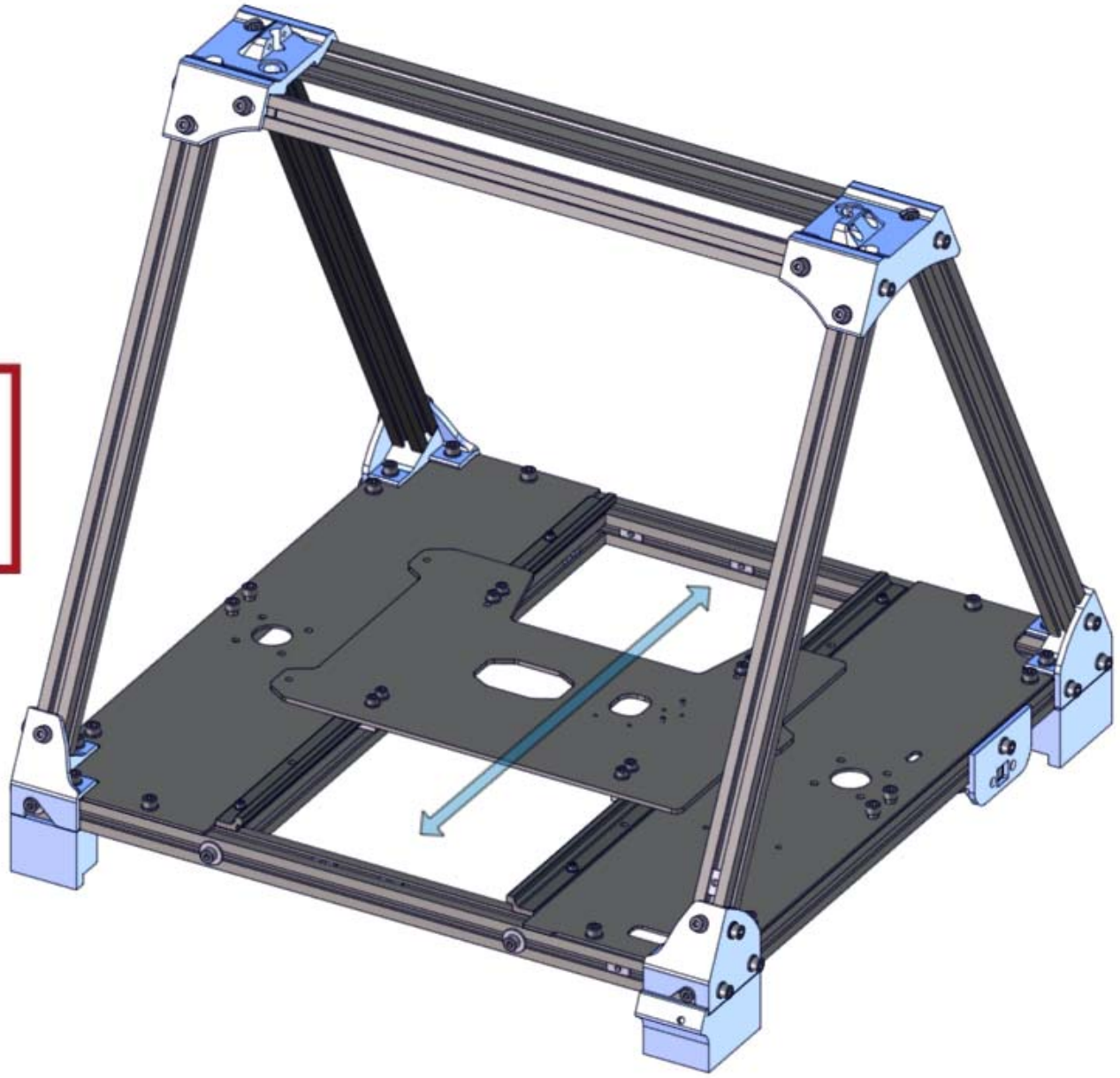


Check the orientation of the platform

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

7

Careful above this step, the platform may get out of the guides.



8

Platform adjustment process

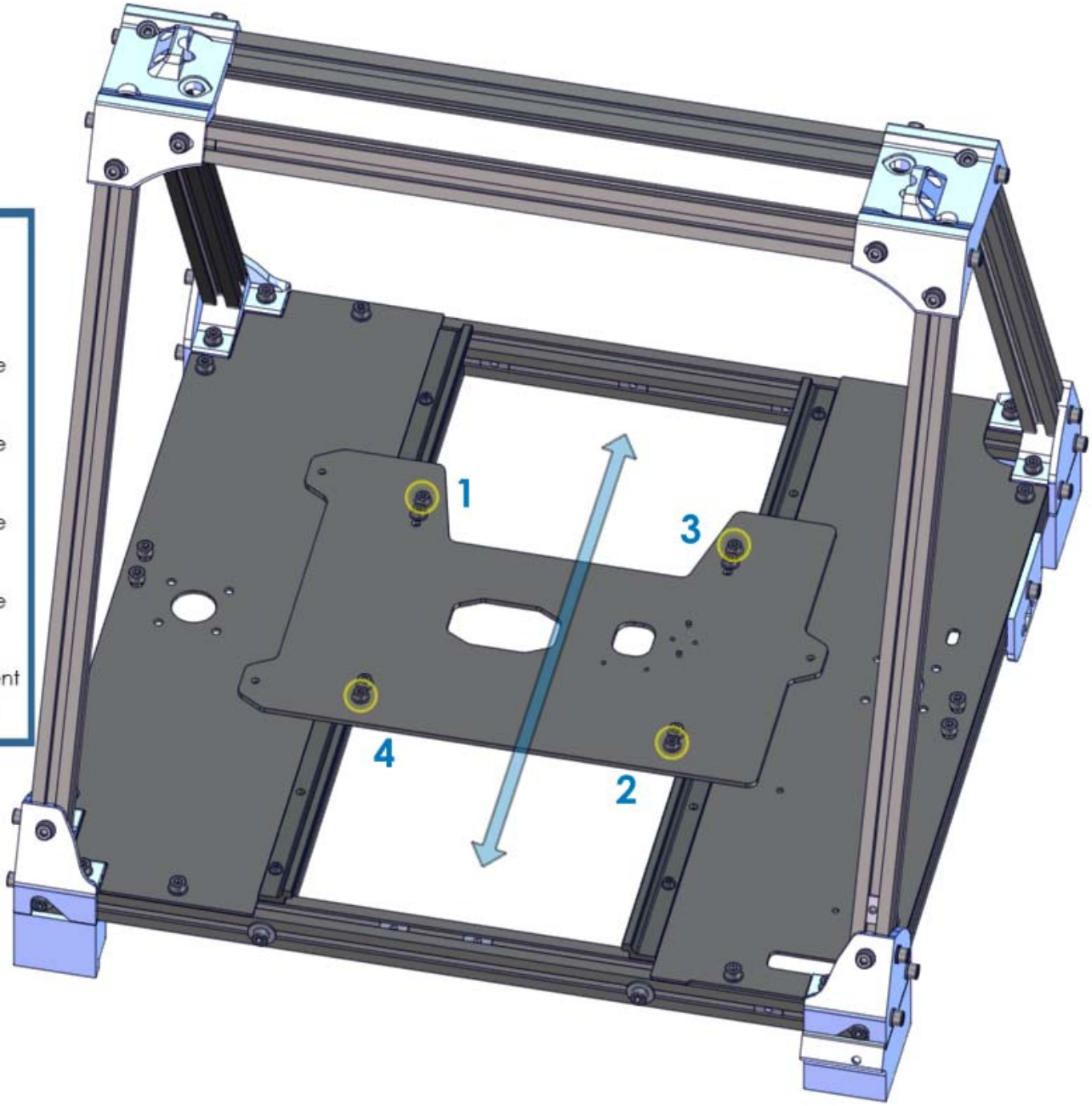
1. Tighten 1/8 of a turn the screw 1 and move the platform for side to side two times.

2. Tighten 1/8 of a turn the screw 2 and move the platform for side to side two times.

3. Tighten 1/8 of a turn the screw 3 and move the platform for side to side two times.

4. Tighten 1/8 of a turn the screw 4 and move the platform for side to side two times.

5. Repeat the steps above till a smooth movement of the platform without clearance at the guides.



9

Platform adjustment process

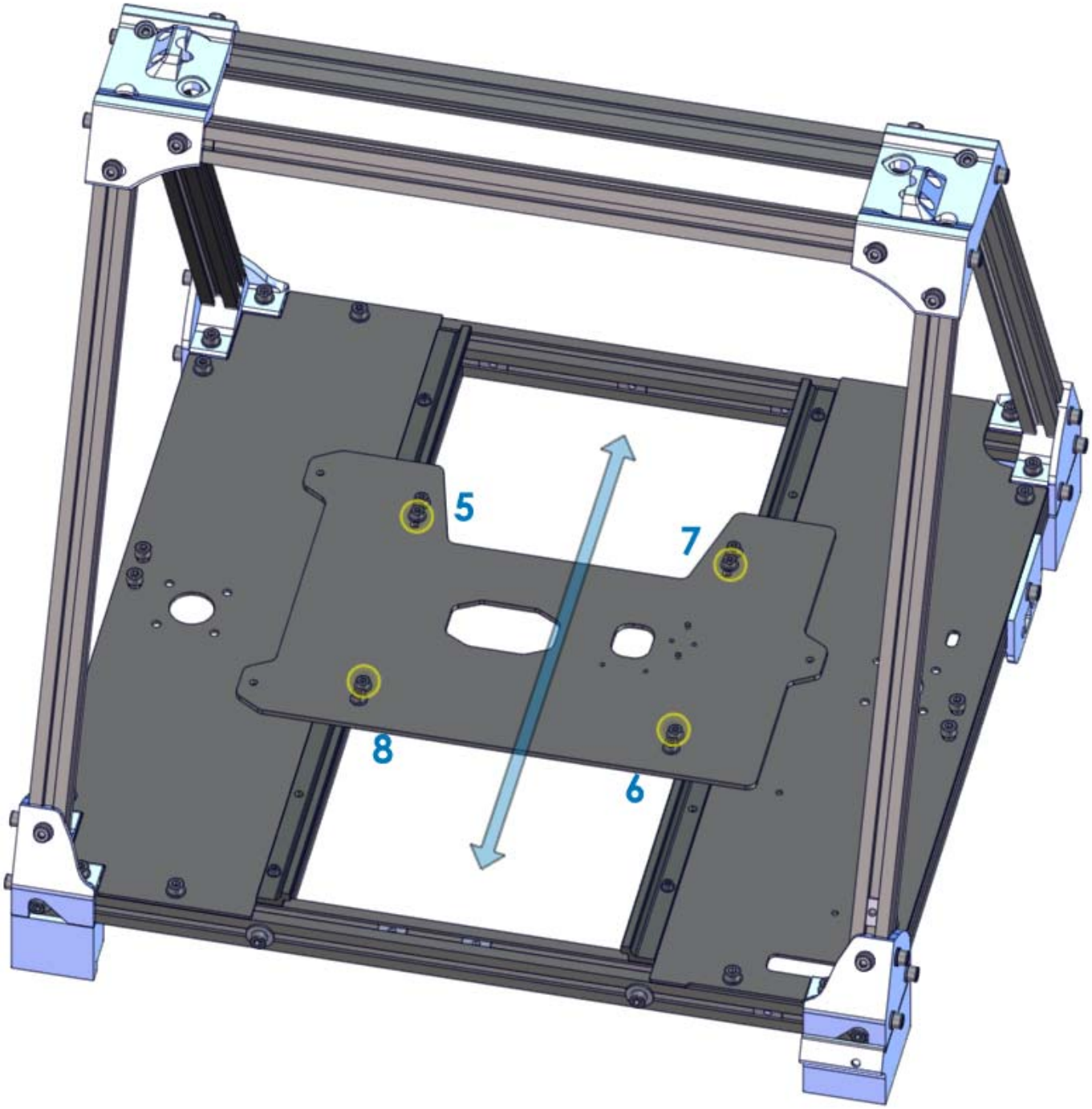
1. Tighten 1/8 of a turn the screw 5 and move the platform for side to side two times.

2. Tighten 1/8 of a turn the screw 6 and move the platform for side to side two times.

3. Tighten 1/8 of a turn the screw 7 and move the platform for side to side two times.

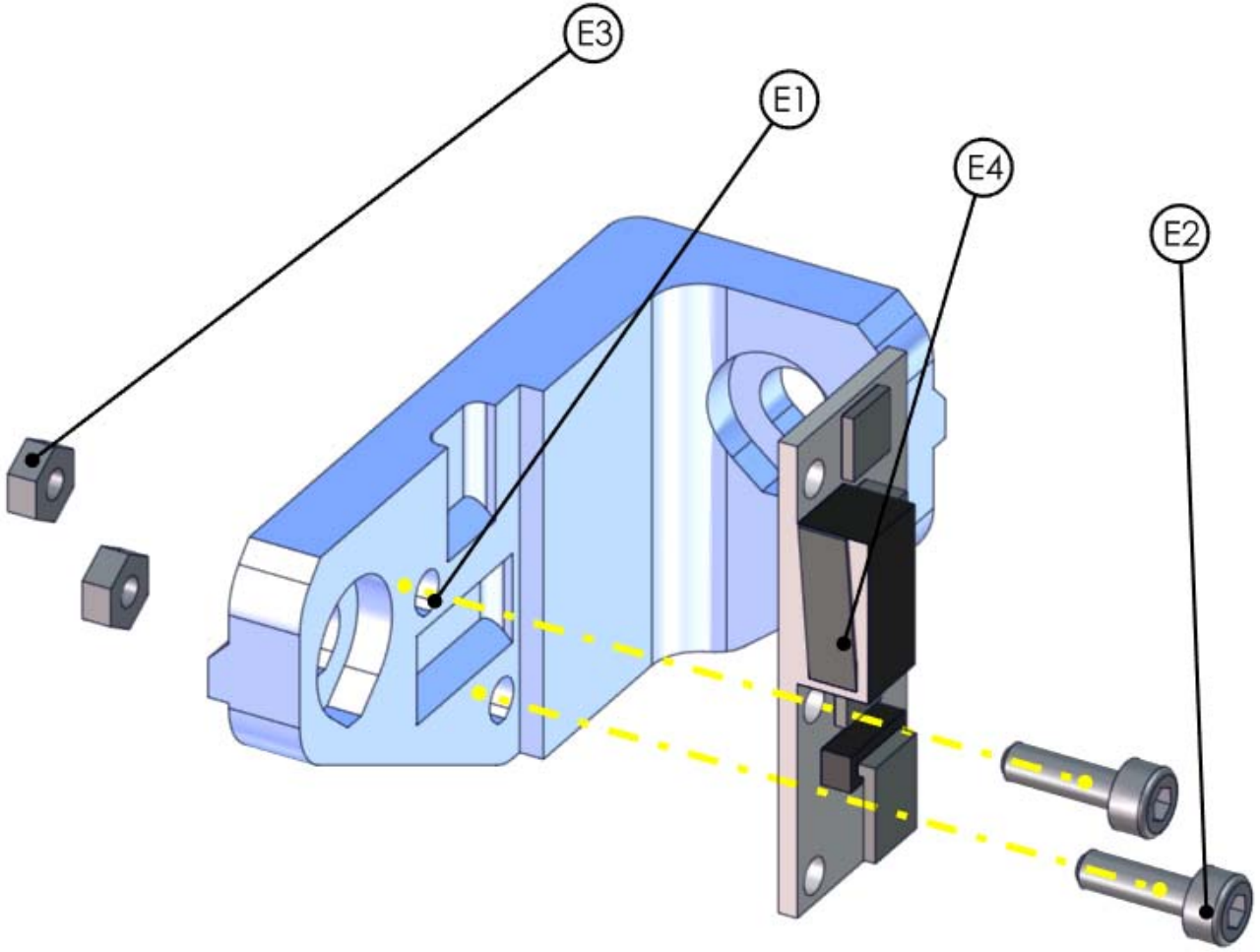
4. Tighten 1/8 of a turn the screw 8 and move the platform for side to side two times.

5. Repeat the steps above till a smooth movement of the platform without clearance at the guides.



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

10



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

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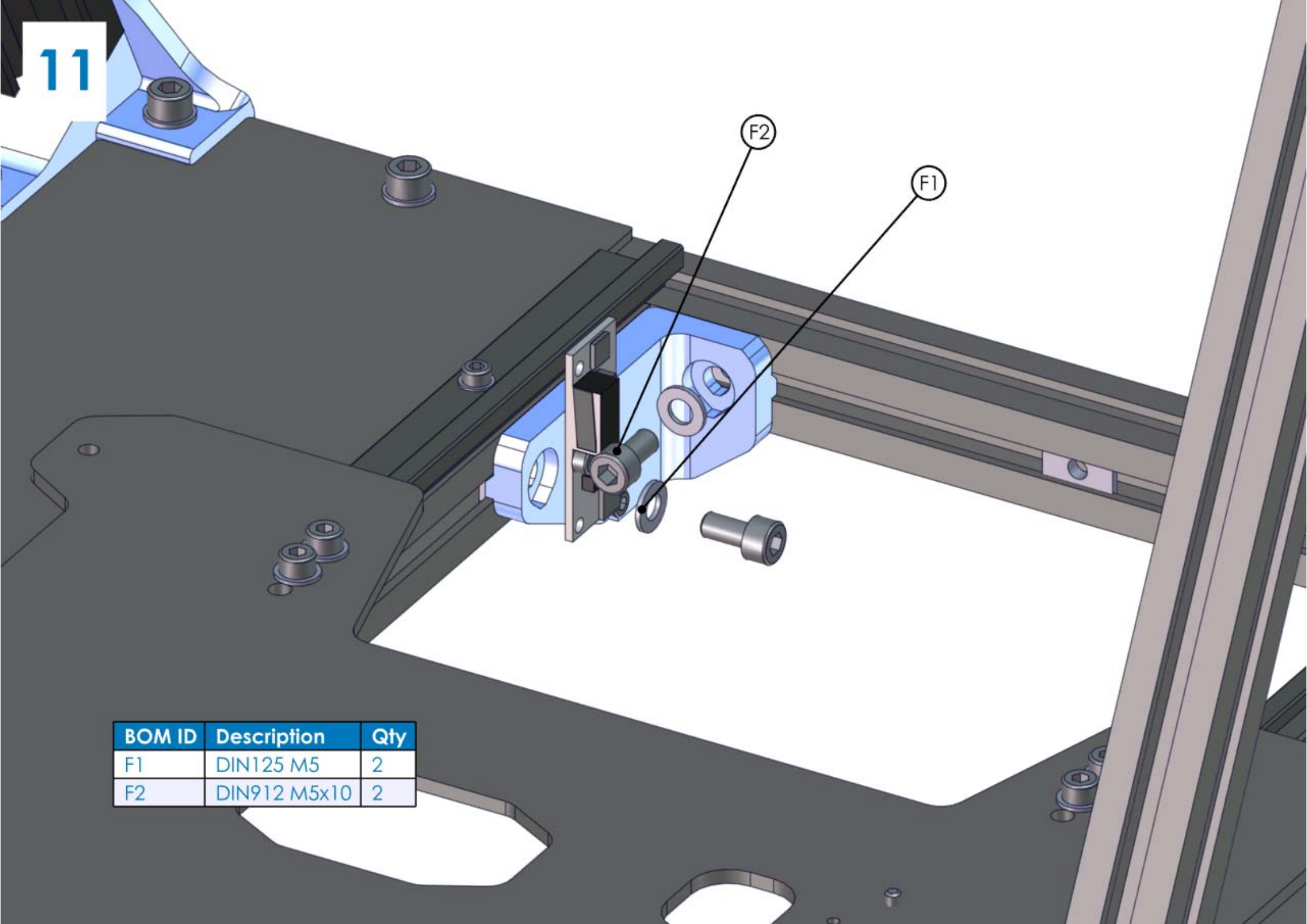
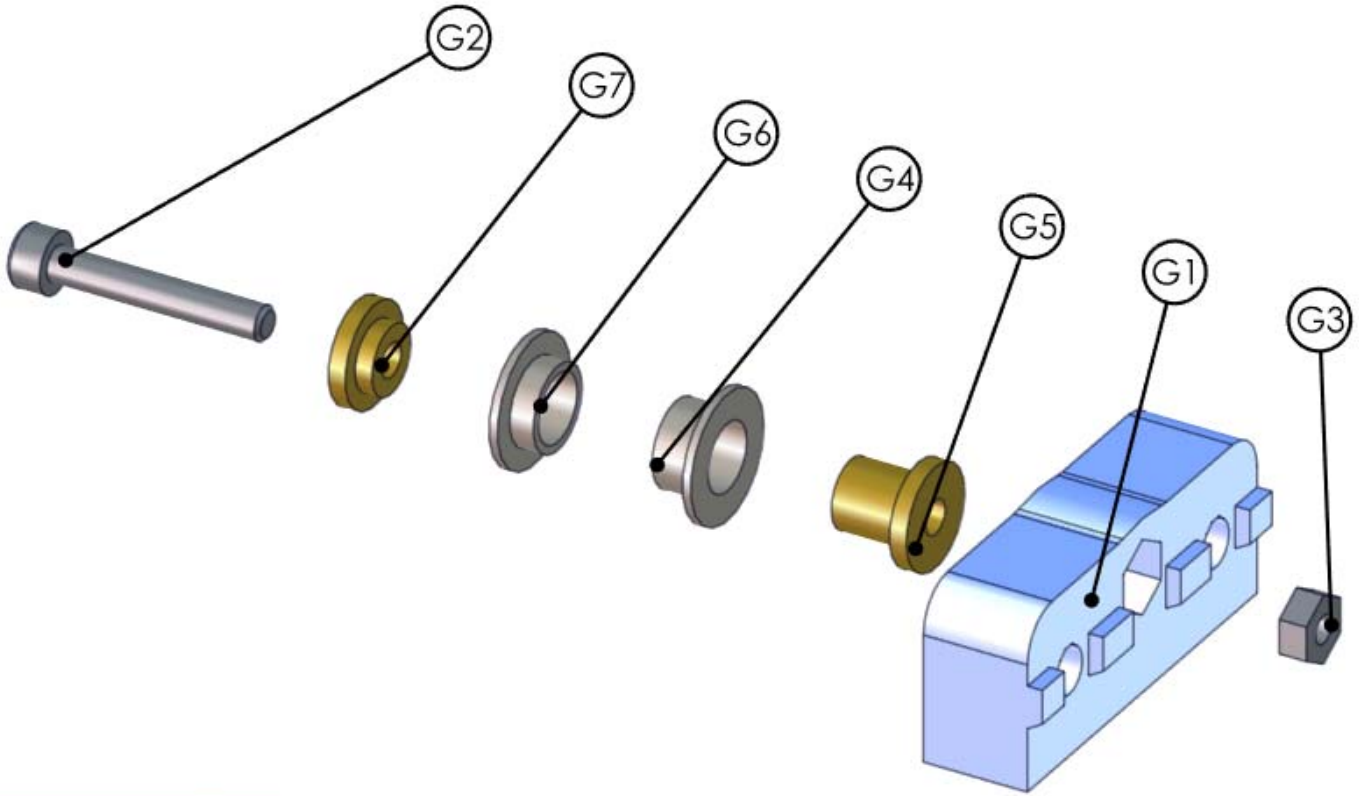


BOM ID	Description	Qty
F1	DIN125 M5	2
F2	DIN912 M5x10	2

12



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

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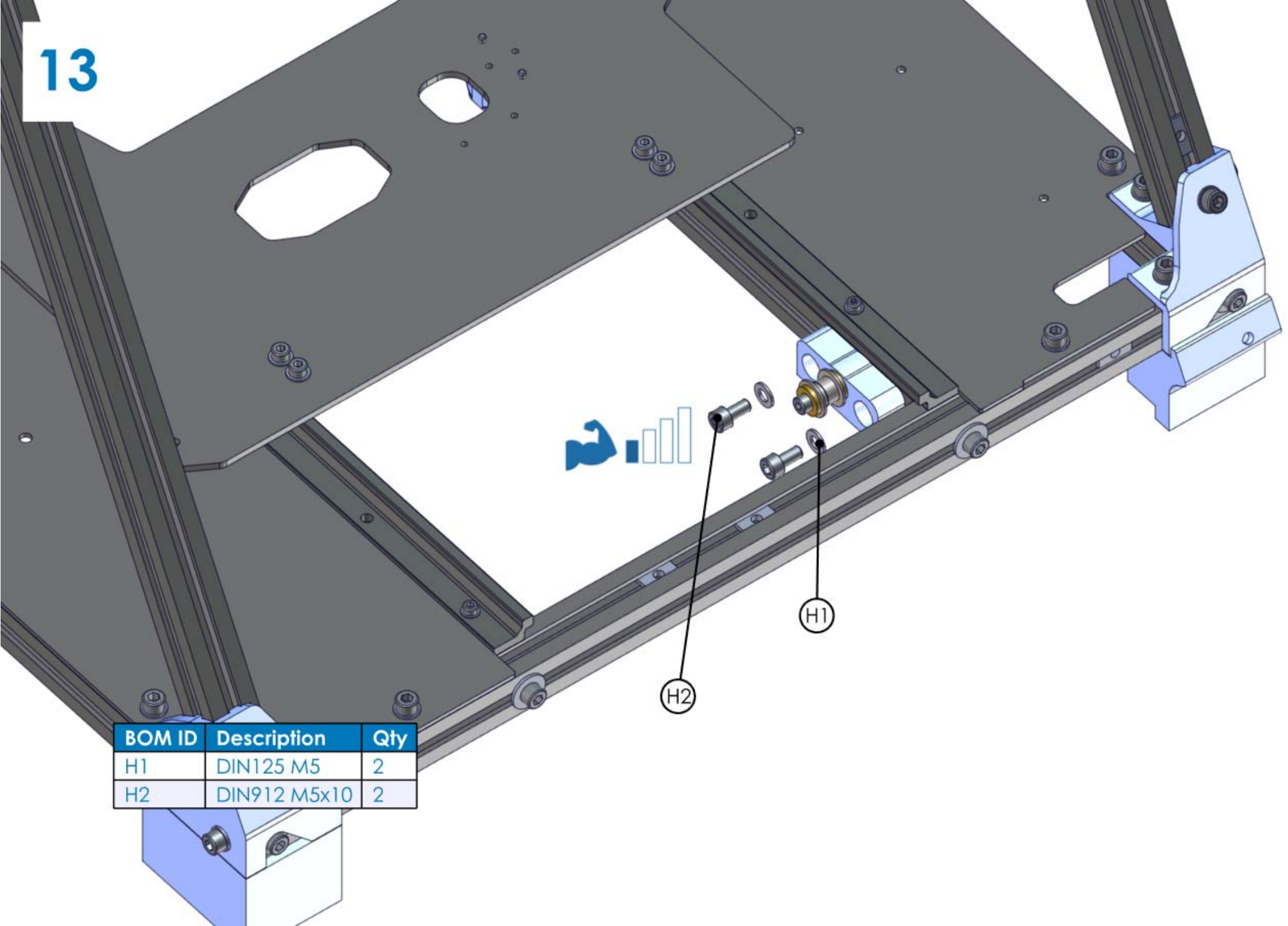
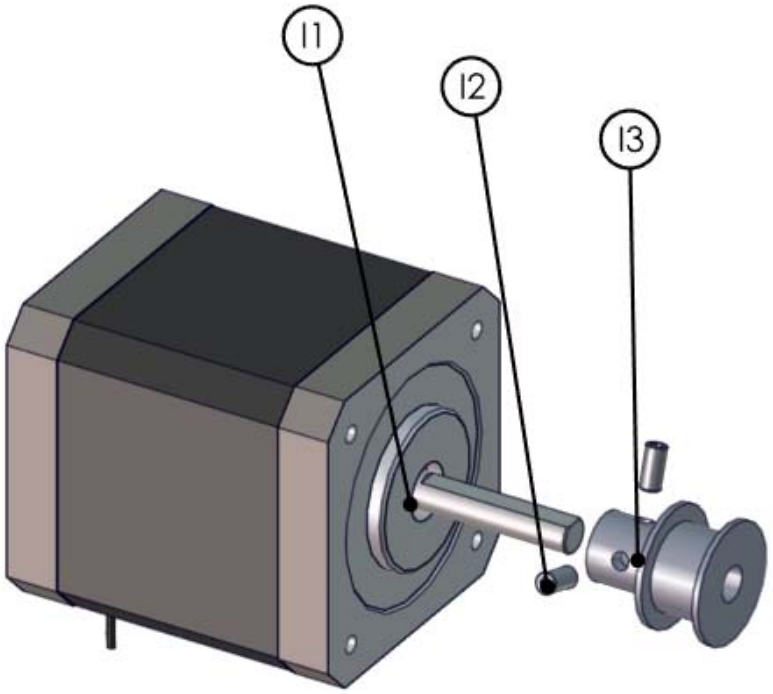
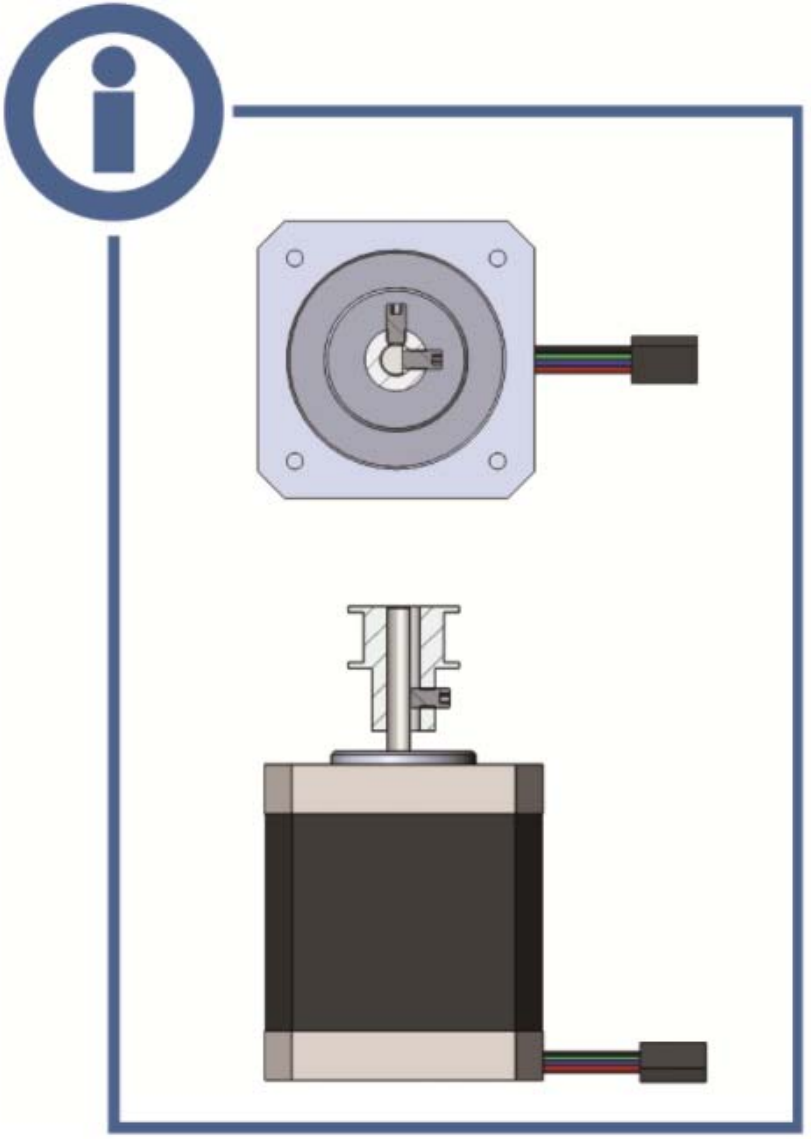


BOM ID	Description	Qty
H1	DIN125 M5	2
H2	DIN912 M5x10	2

14





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

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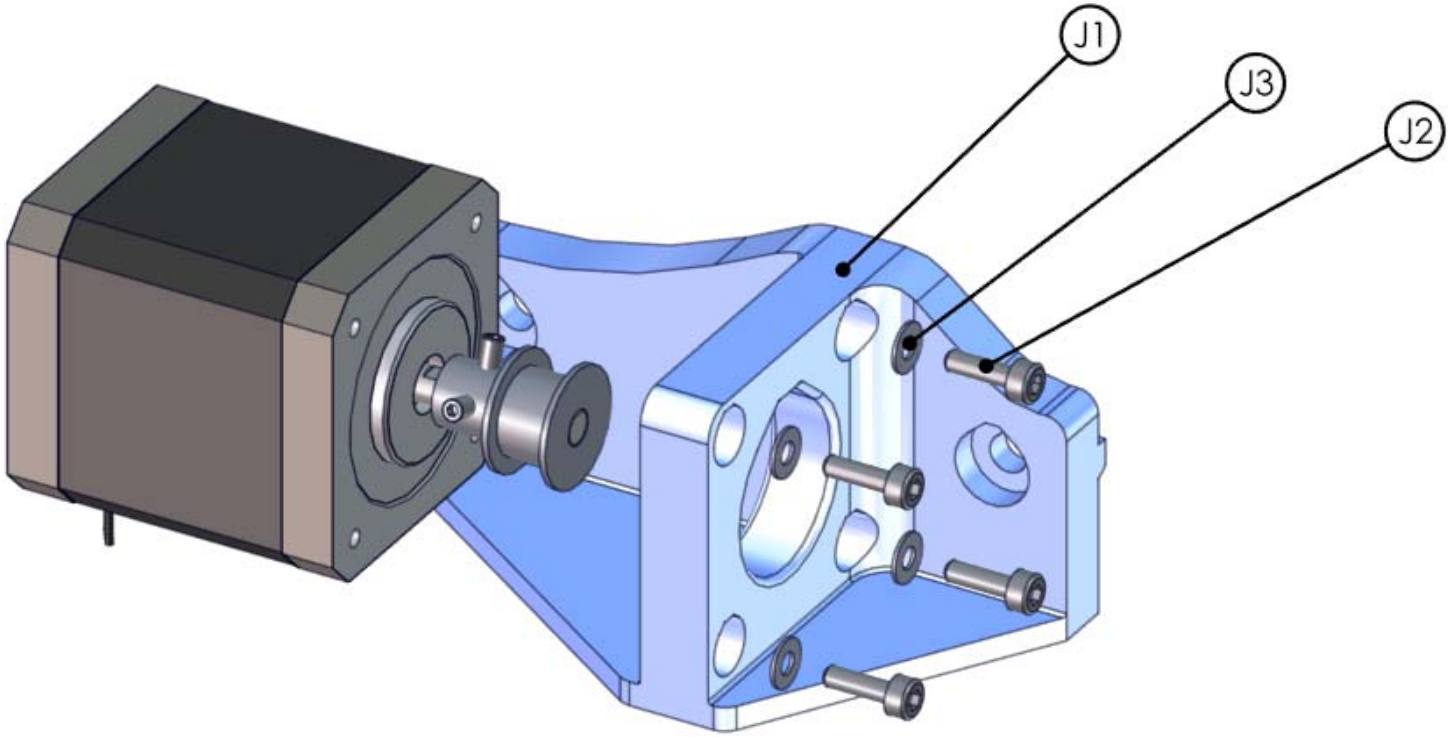

BOM ID	Description	Qty
J1	Stepper mount	1
J2	DIN912 M3x10	4
J3	DIN125 M3	4

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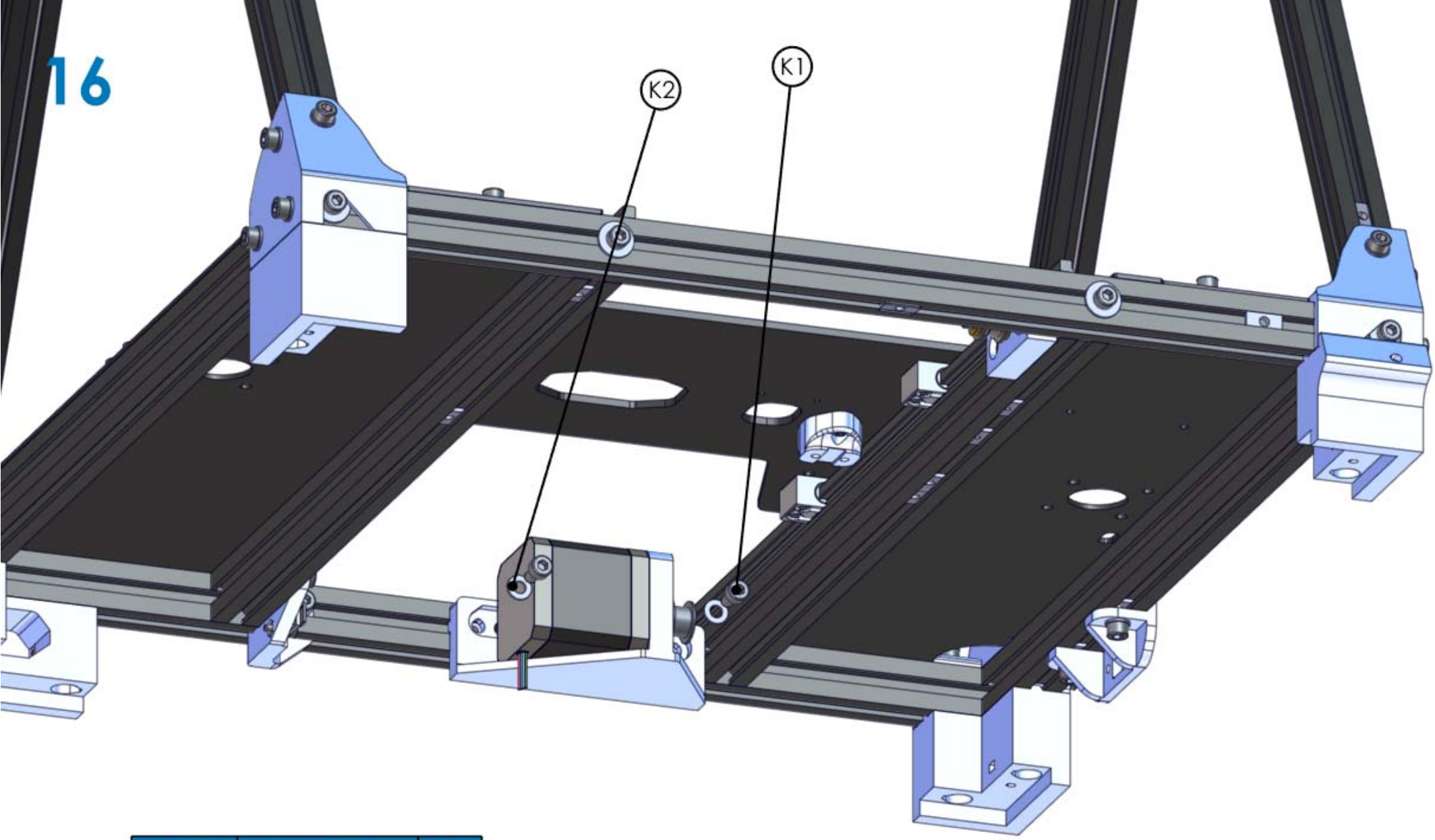

BOM ID	Description	Qty
K1	DIN912 M5x10	2
K2	DIN125 M5	2

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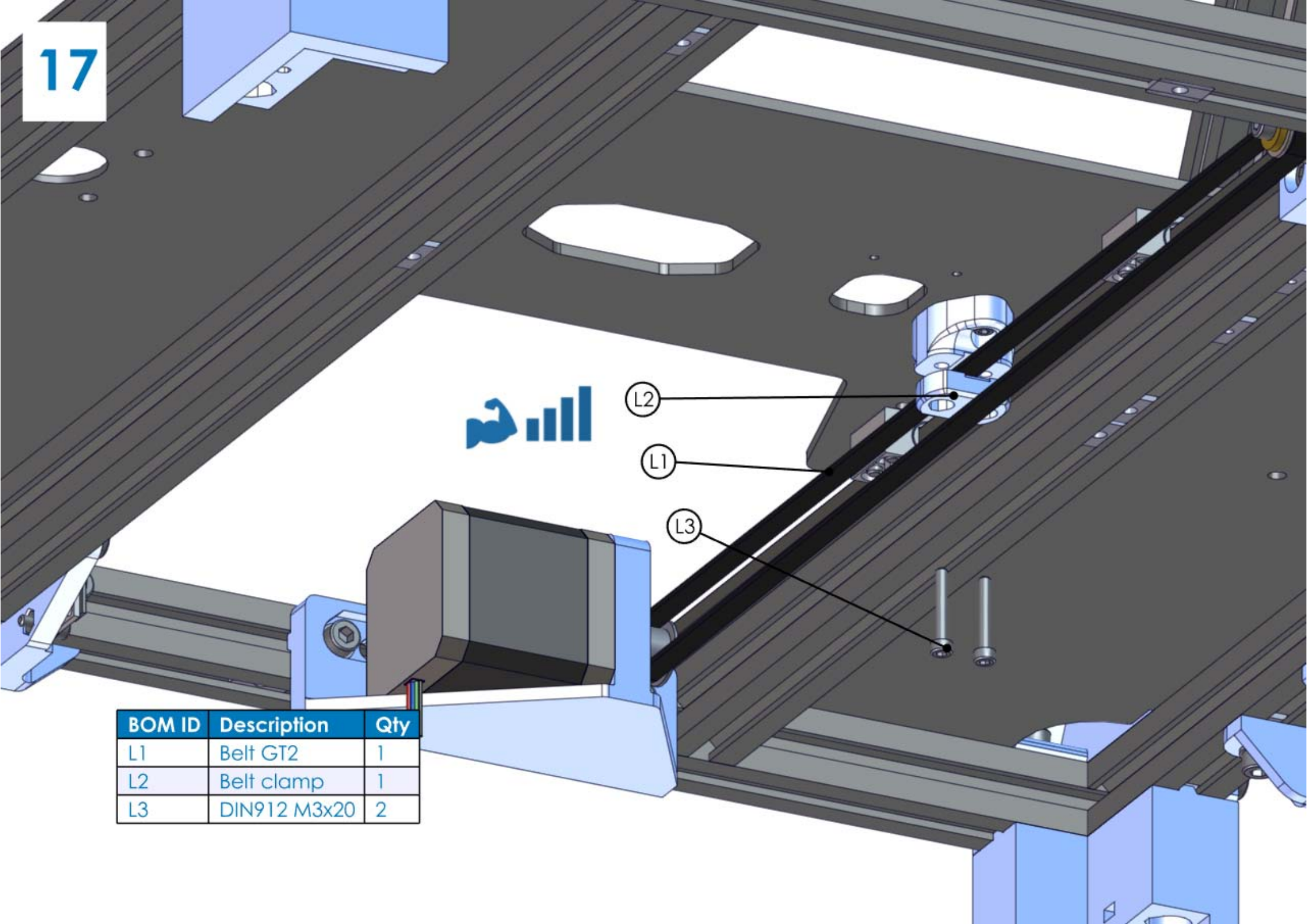
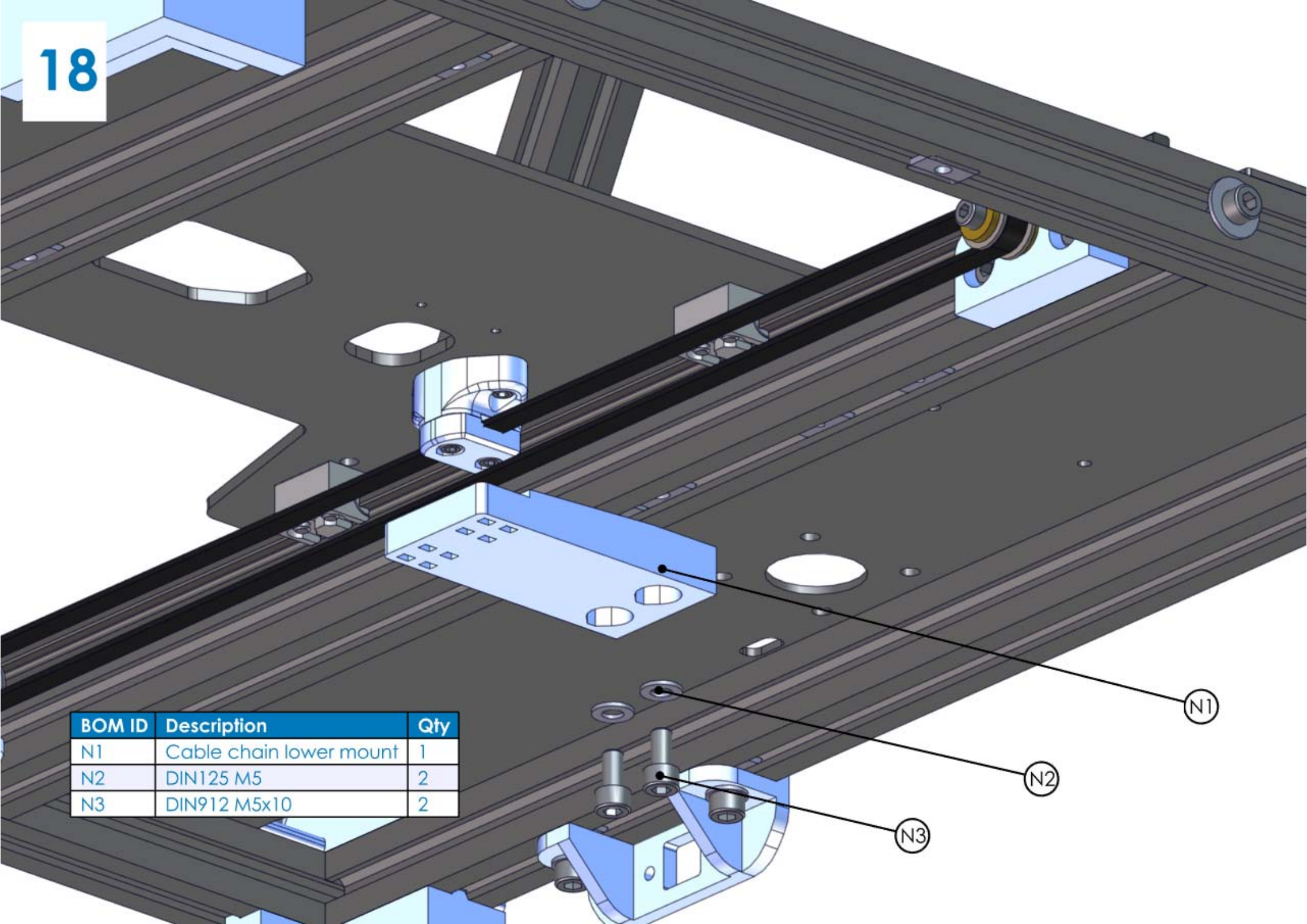


BOM ID	Description	Qty
L1	Belt GT2	1
L2	Belt clamp	1
L3	DIN912 M3x20	2



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

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