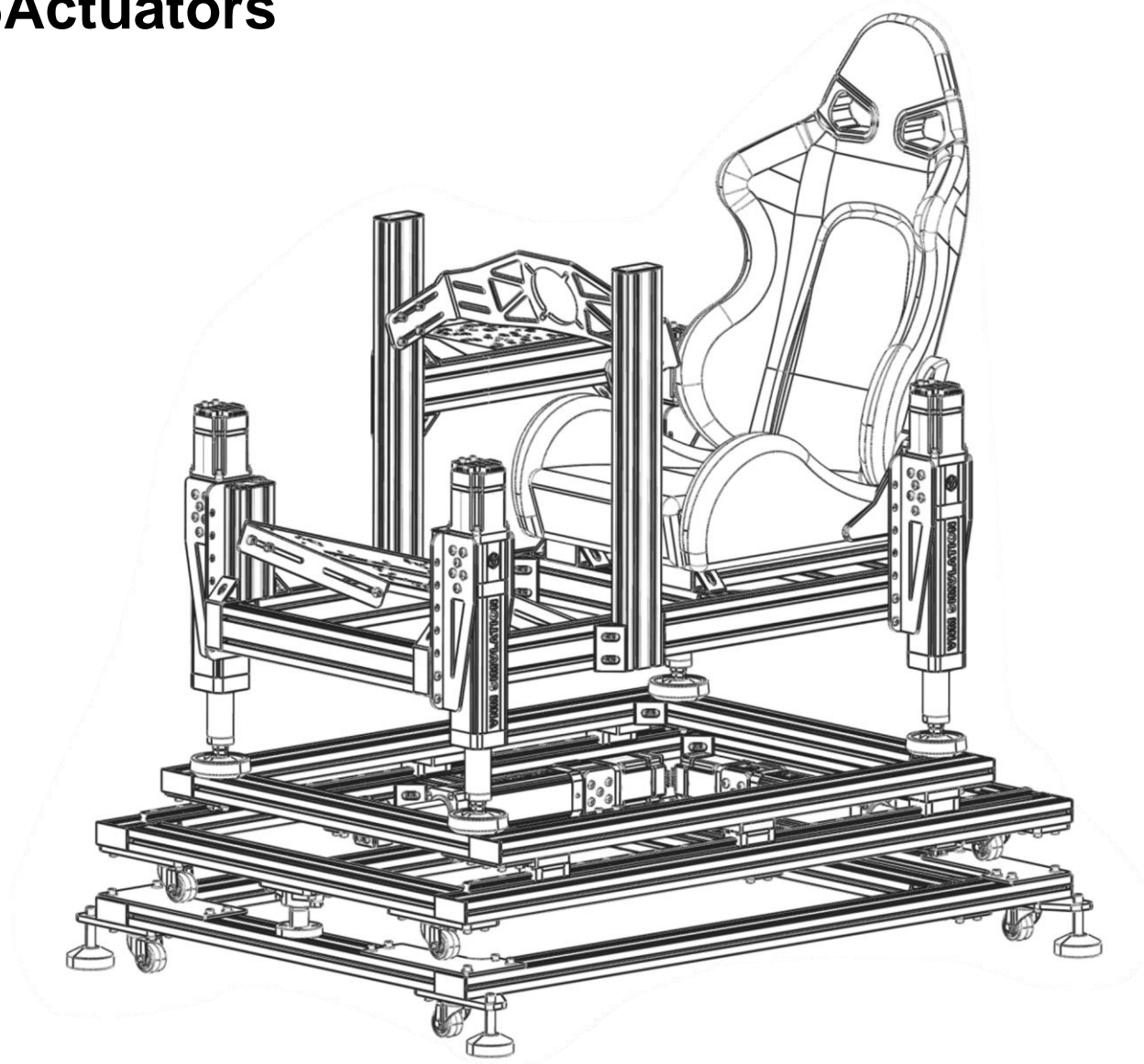


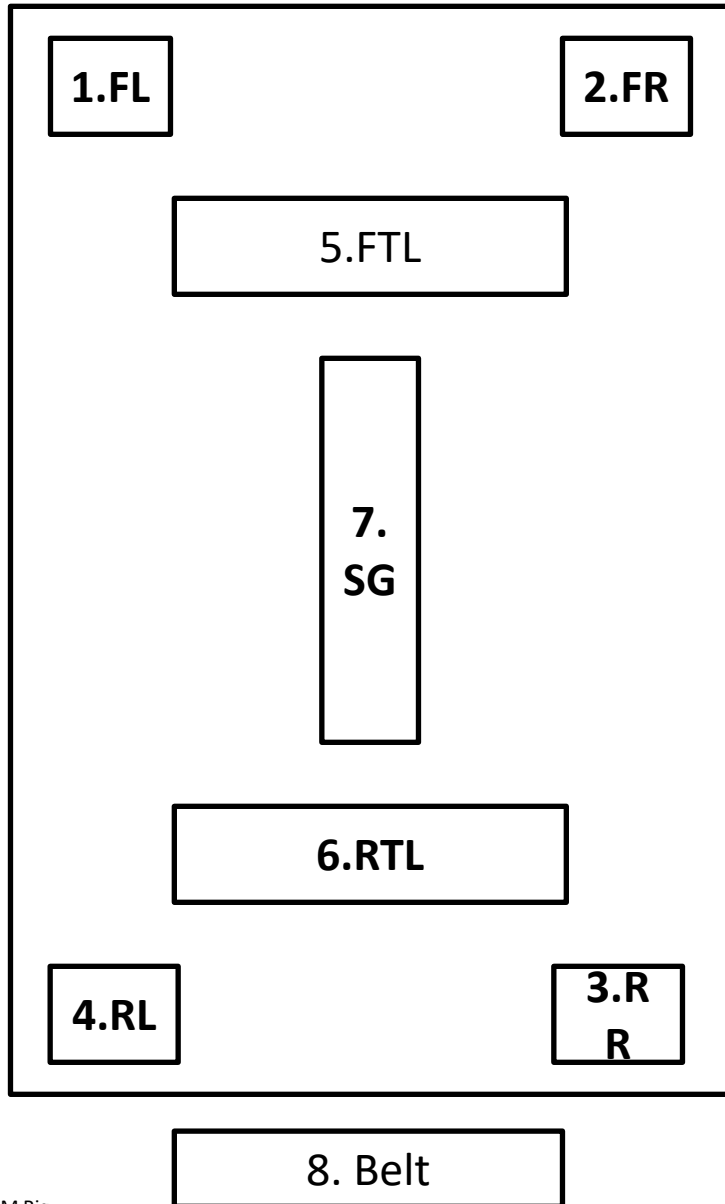


# Installation guide

## VNM Rig 5Dof 6Actuators



Monitor



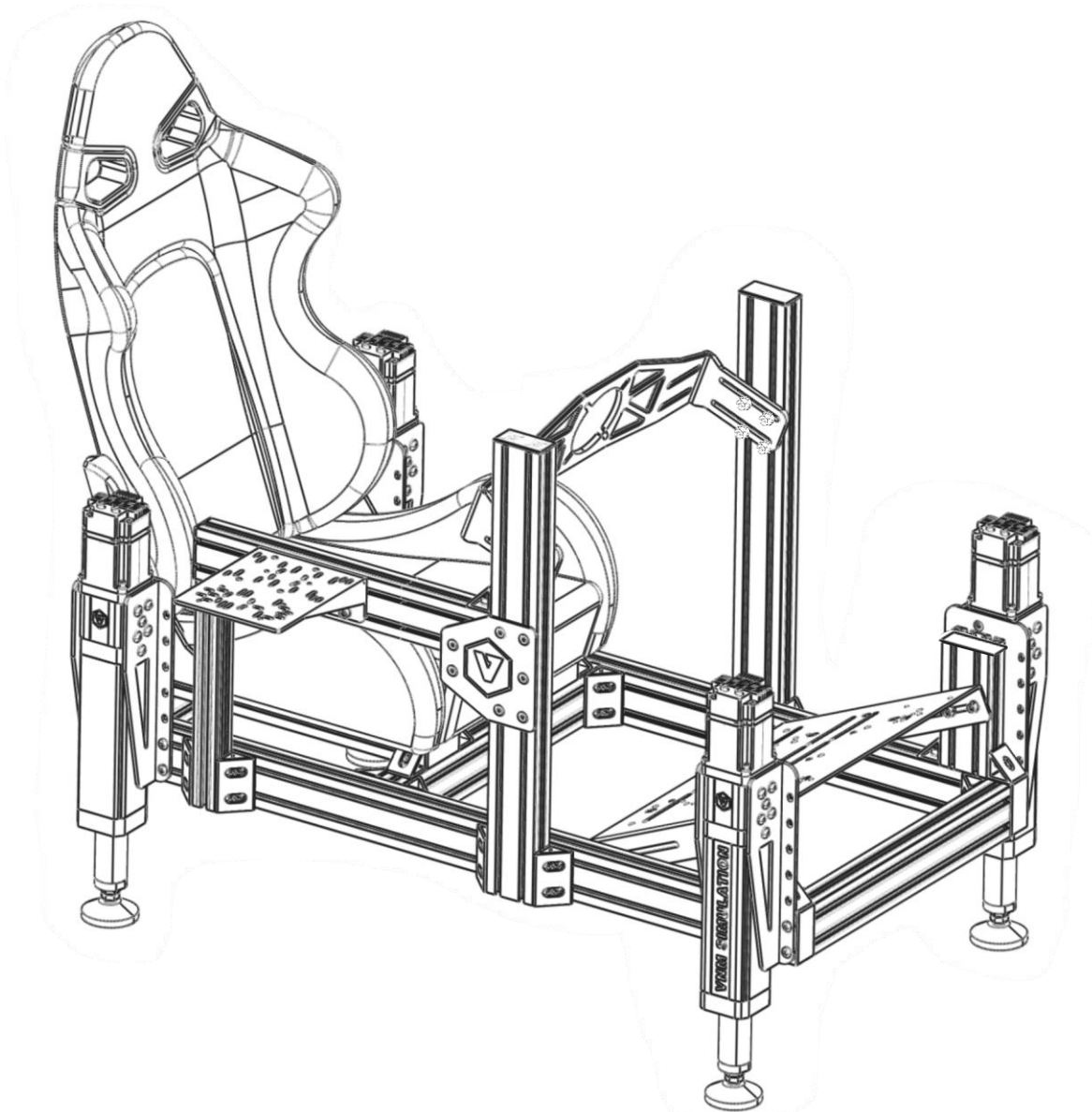
*Actuator installation order*



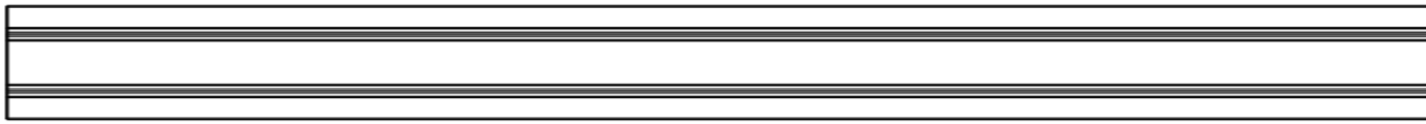
**Warning:** Before installing or configuring the motion system on your rig, ensure that the surrounding area is completely clear. This helps prevent collisions if the rig moves unexpectedly. Keep the motion rig away from nearby objects such as computer monitors, TVs, mobile phones, etc.

# Installation guide

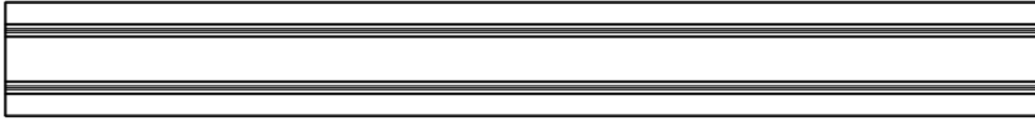
## VNM Rig 3Dof 4Actuators



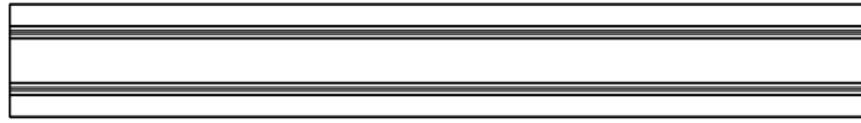
① 40x80x1200  
x2



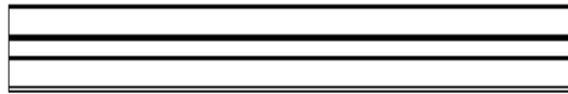
② 40x80x720  
x2



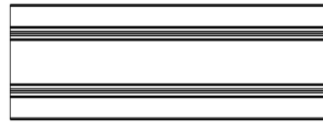
③ 40x80x500  
x6



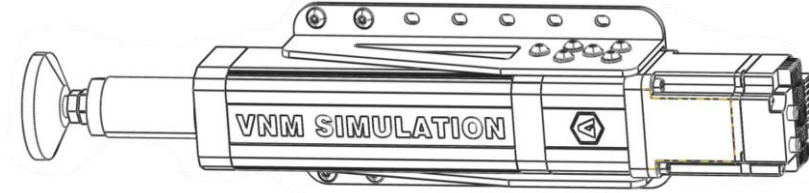
④ 40x40x350  
x1



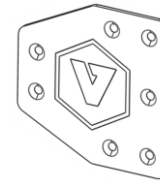
⑤ 40x80x200  
x2



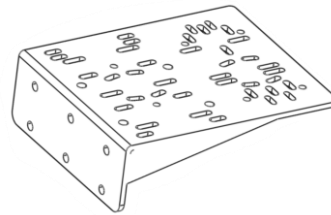
⑥ VNM Actuator  
(with U bracket)  
x4



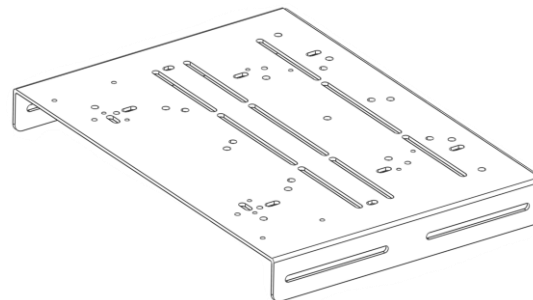
⑦ VNM Plate  
x1



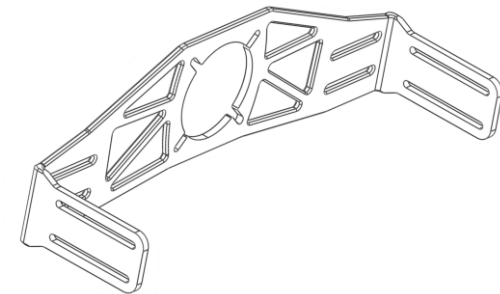
⑧ Handbrake  
Shifter Bracket  
x1



⑨ Pedal base plate V3  
x1



⑩ Wheel base mount V1  
x1

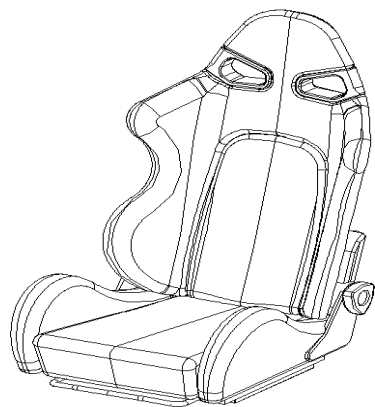


11

### Driver's Seat

(May not include)

x1



Flat, Spring M8

x86



M8x20

x8



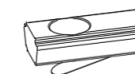
M8x16

x120



M8 Slider

x135



M16 Nuts, Spring M16

x4



M8x16

x7



M8x16

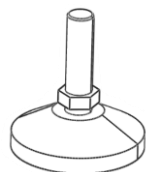
x48



12

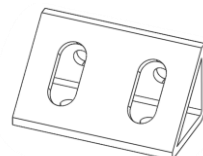
### Actuator Feet

x4



4080 Conner Alu

x14



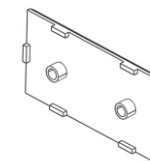
4040 Conner Alu

x15

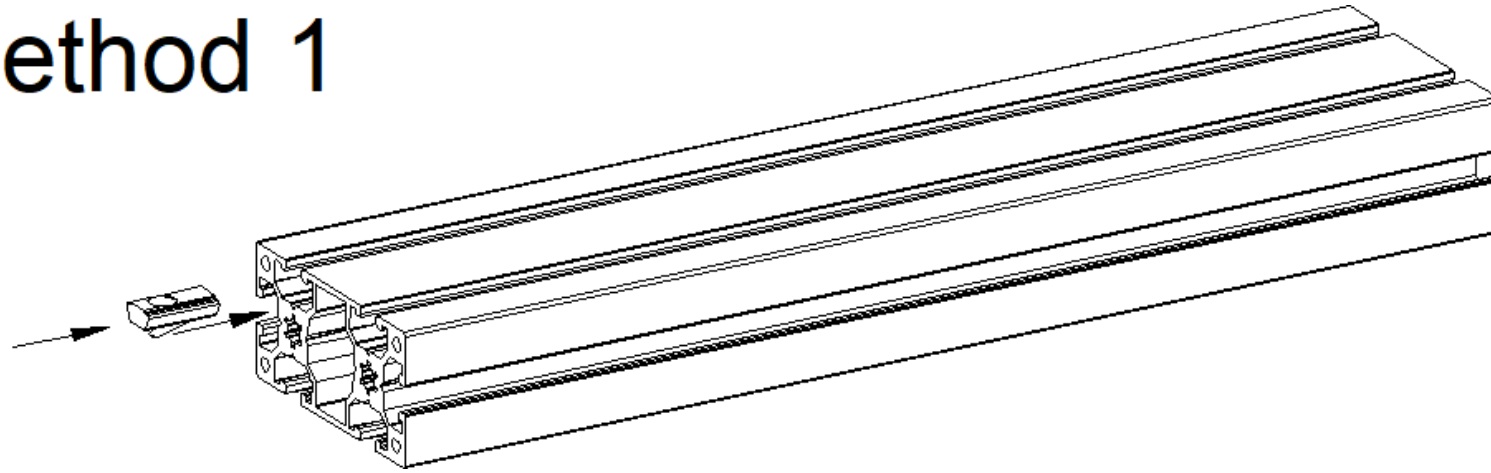


Alu Cover

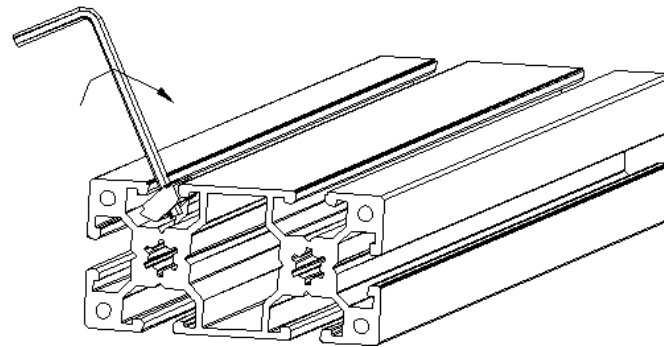
x13

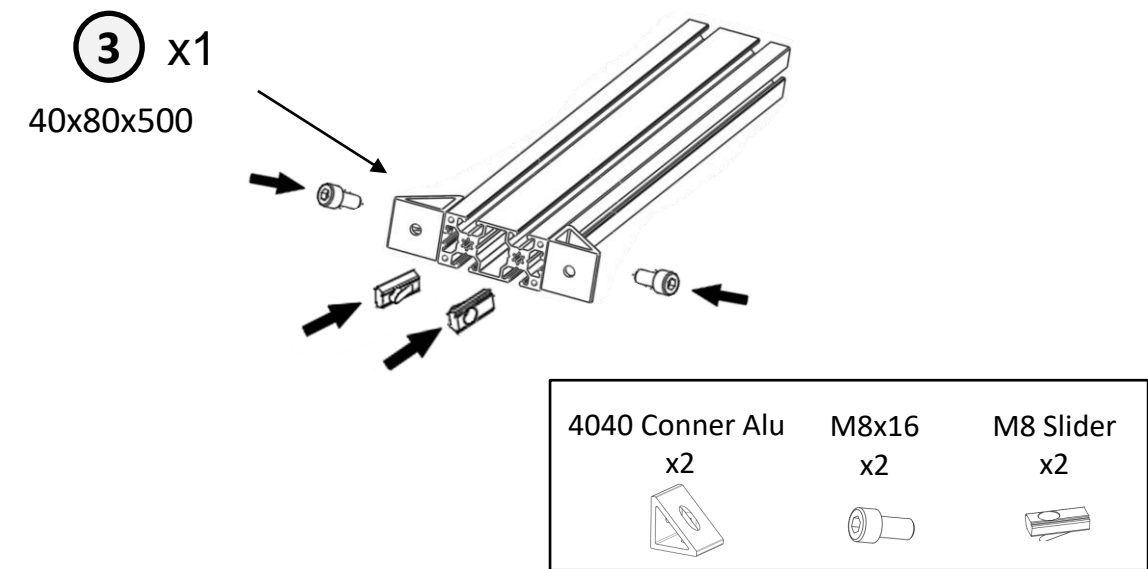
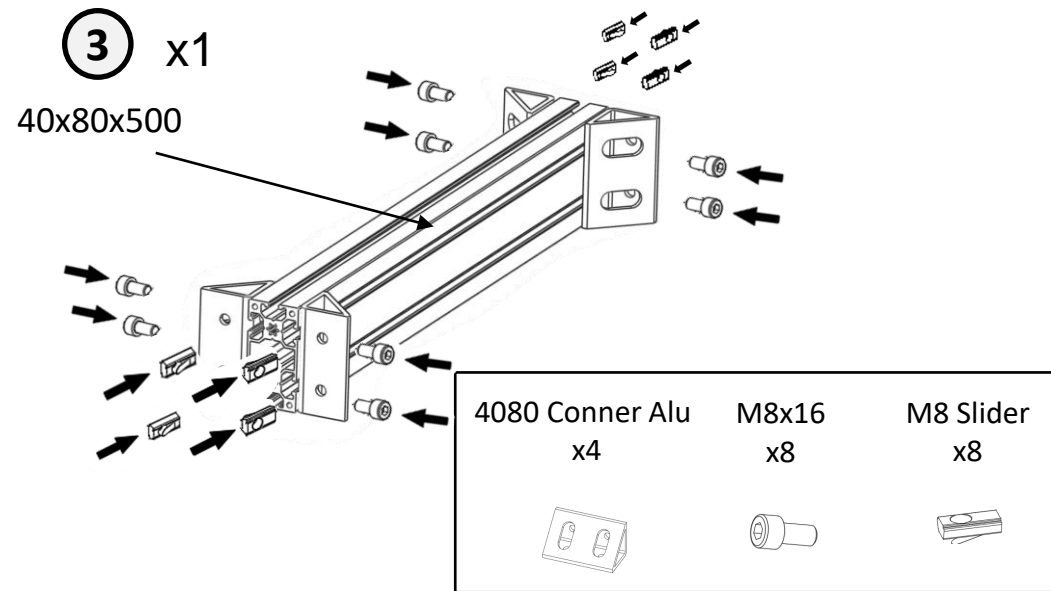
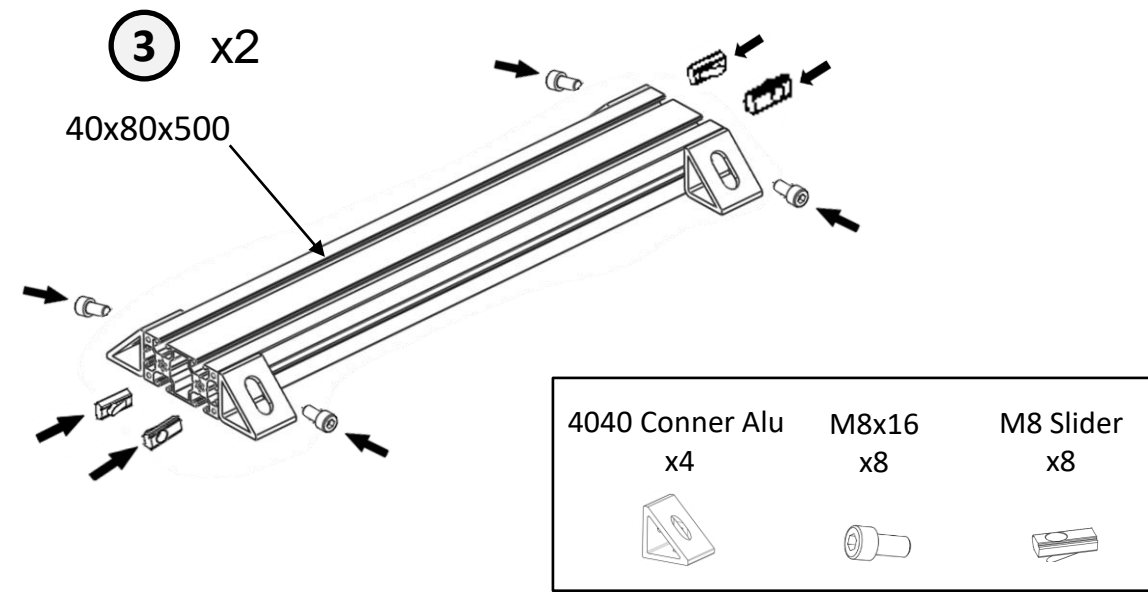
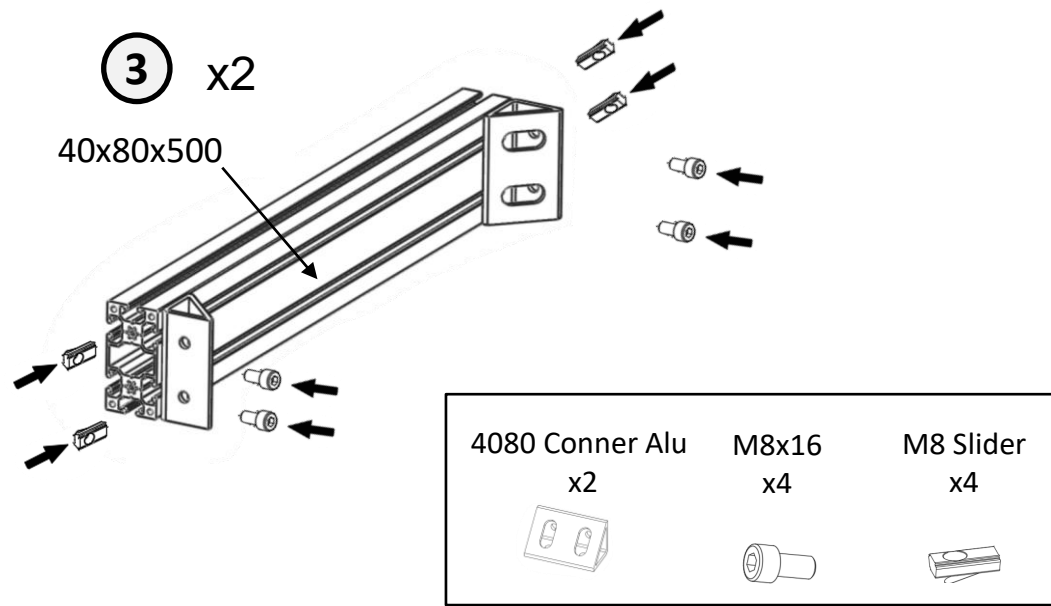


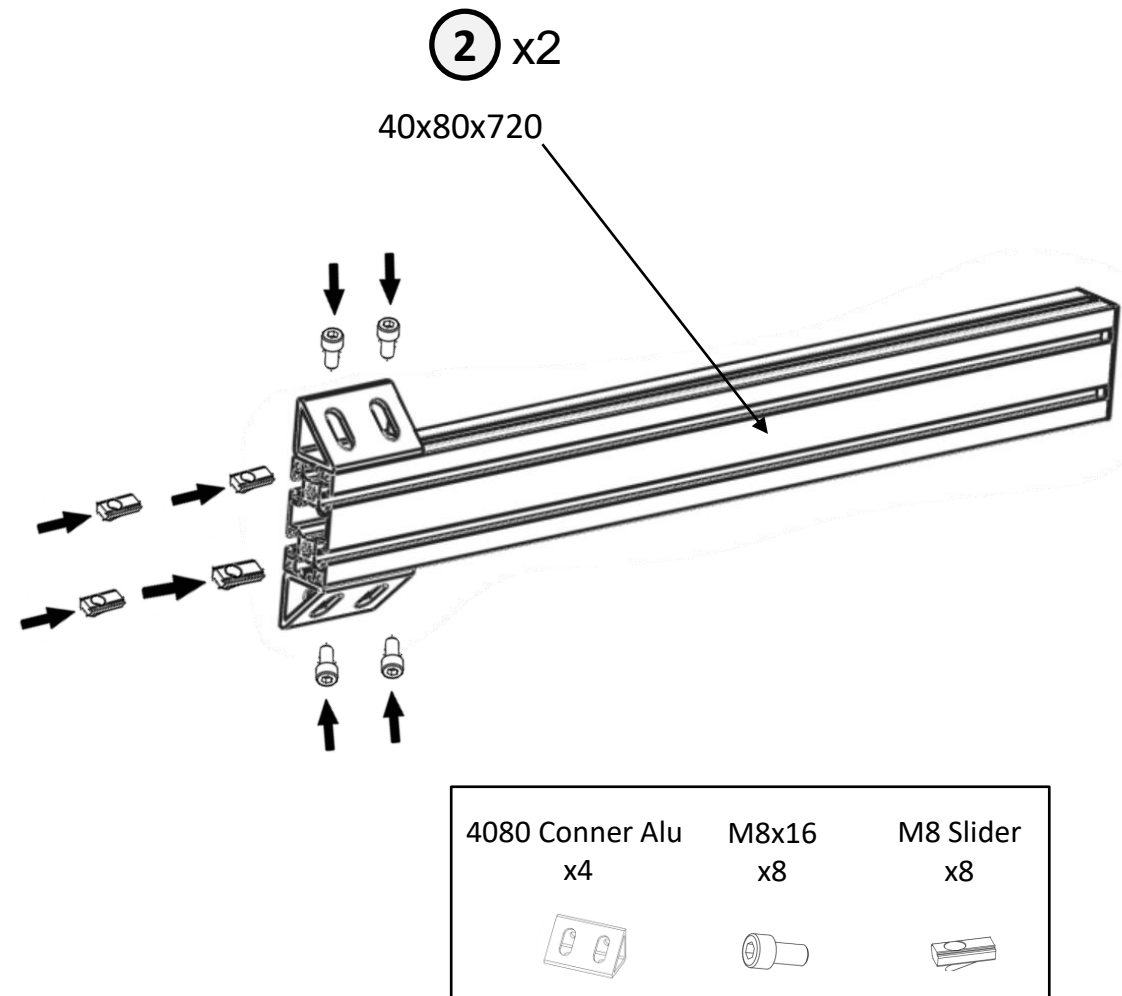
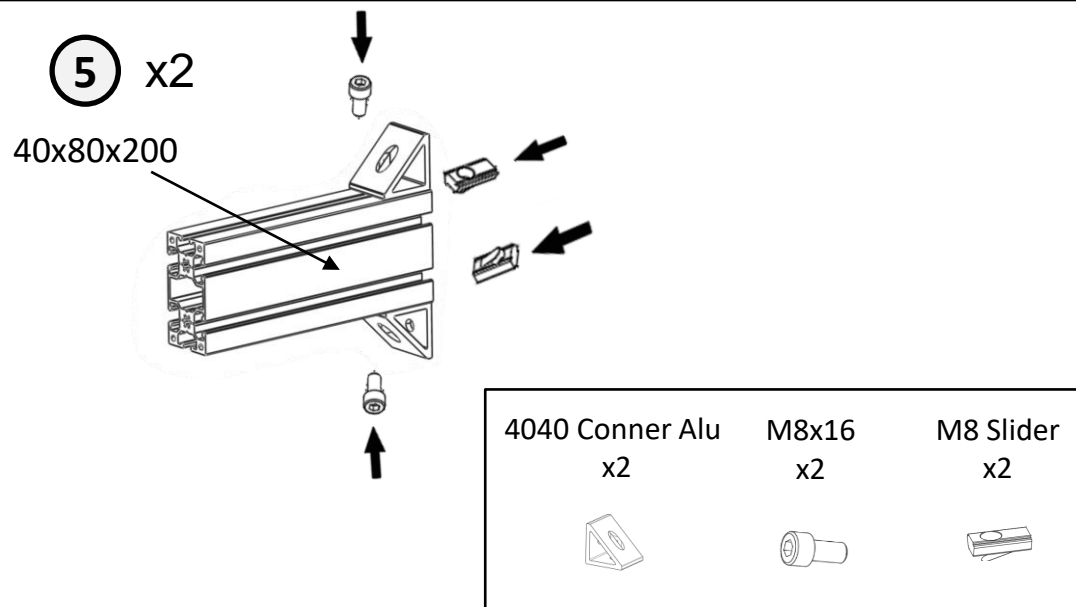
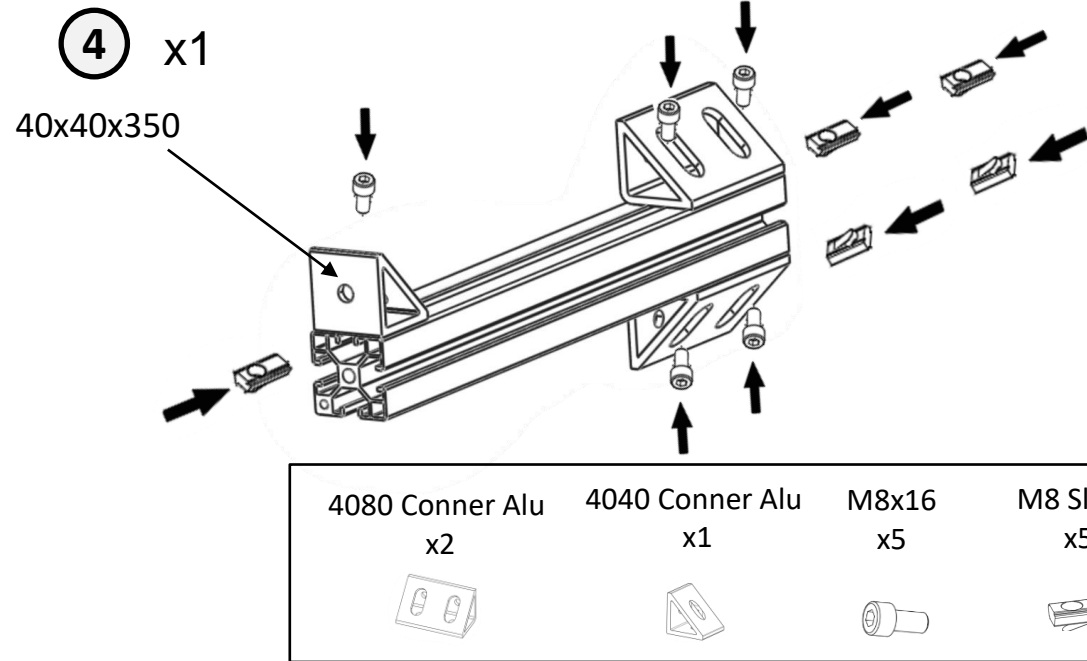
# Method 1





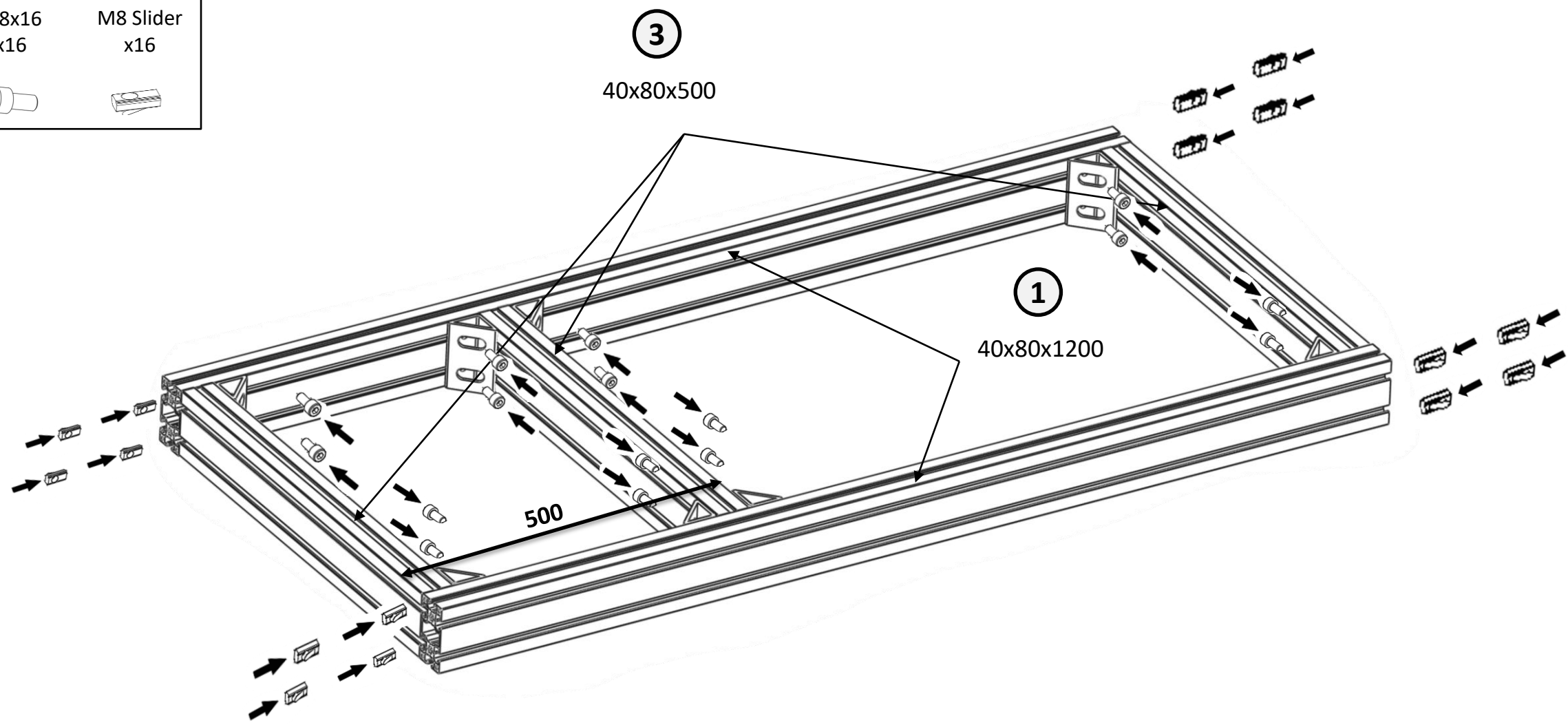
# Method 2





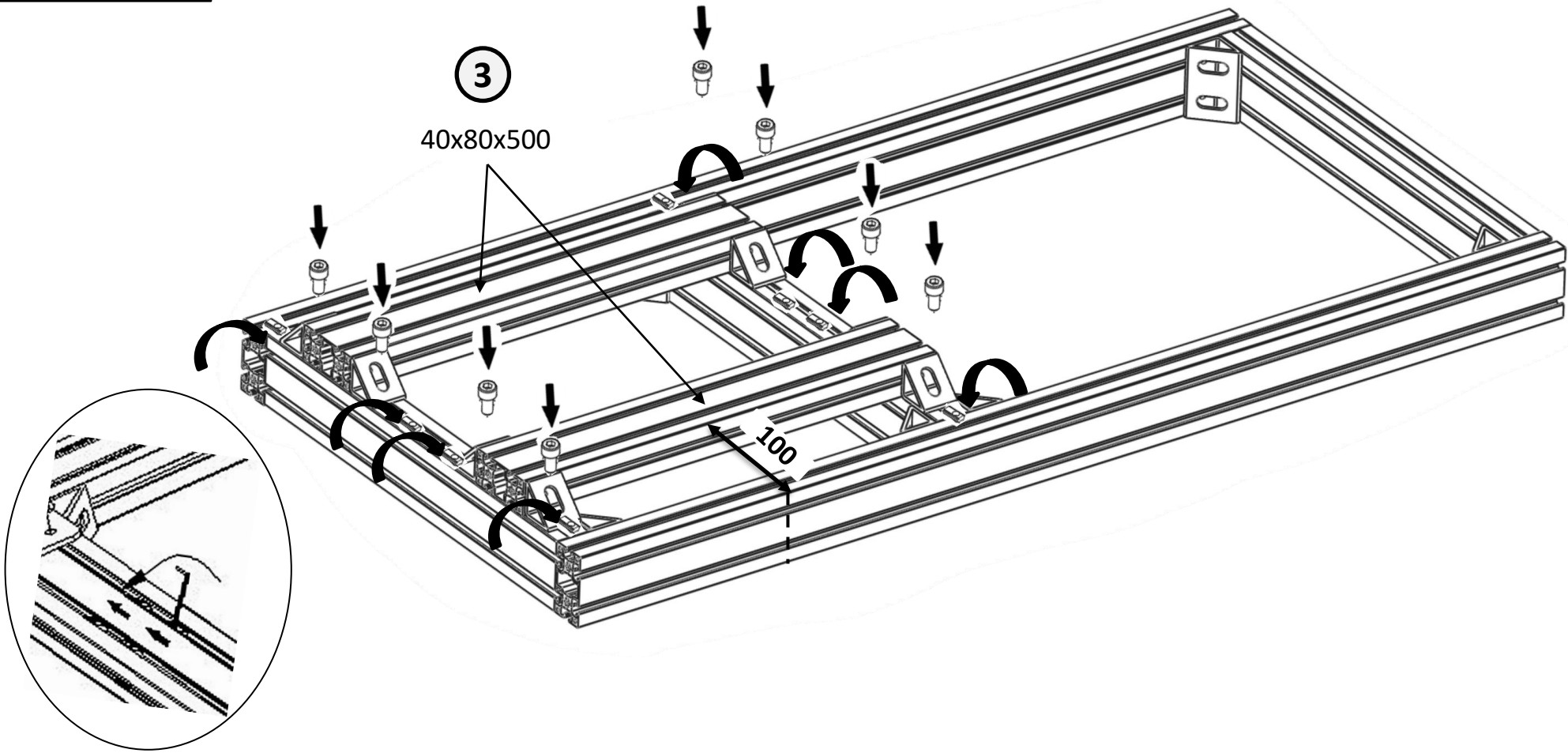






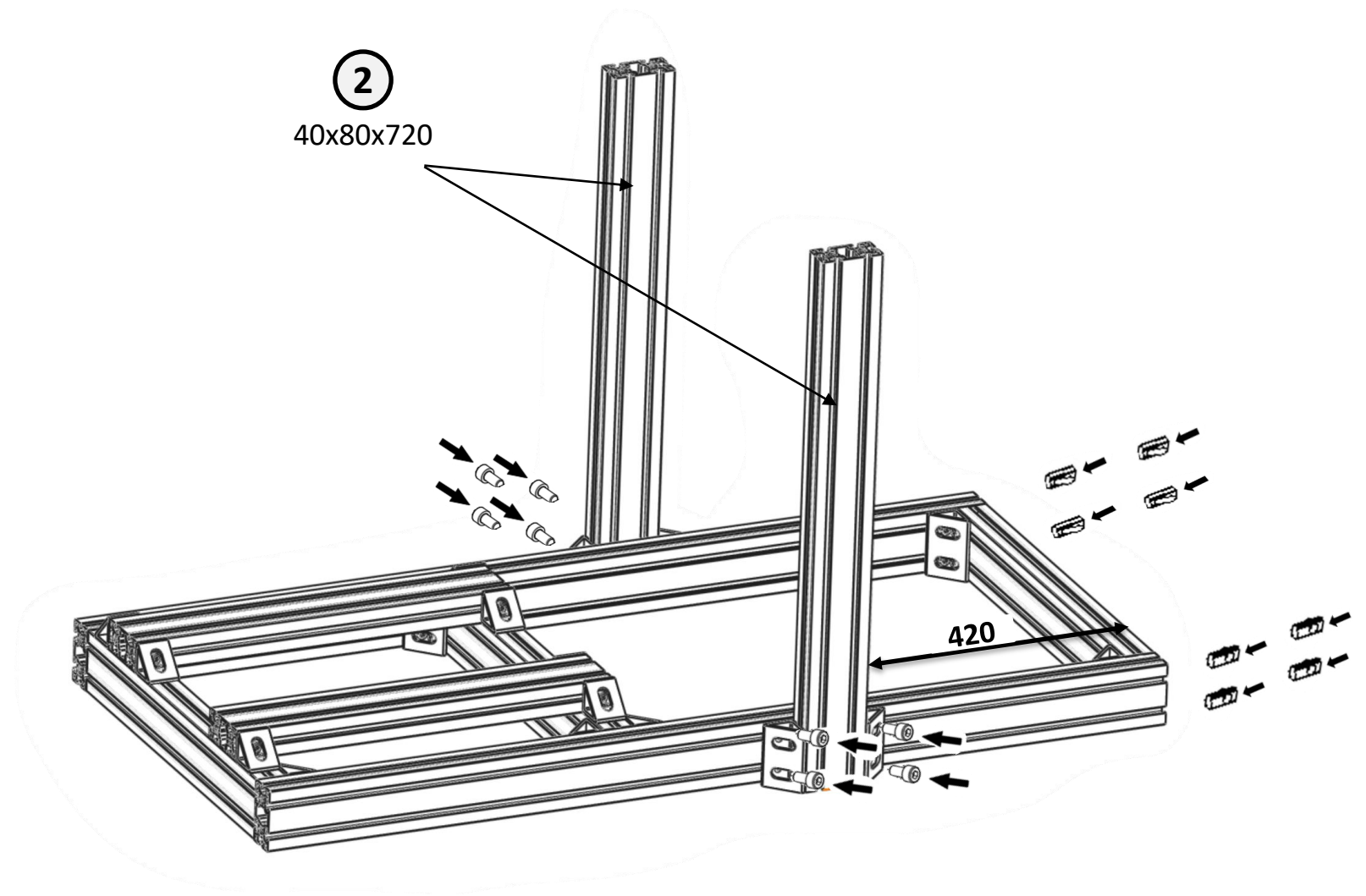
M8x16 x16	M8 Slider x16
	





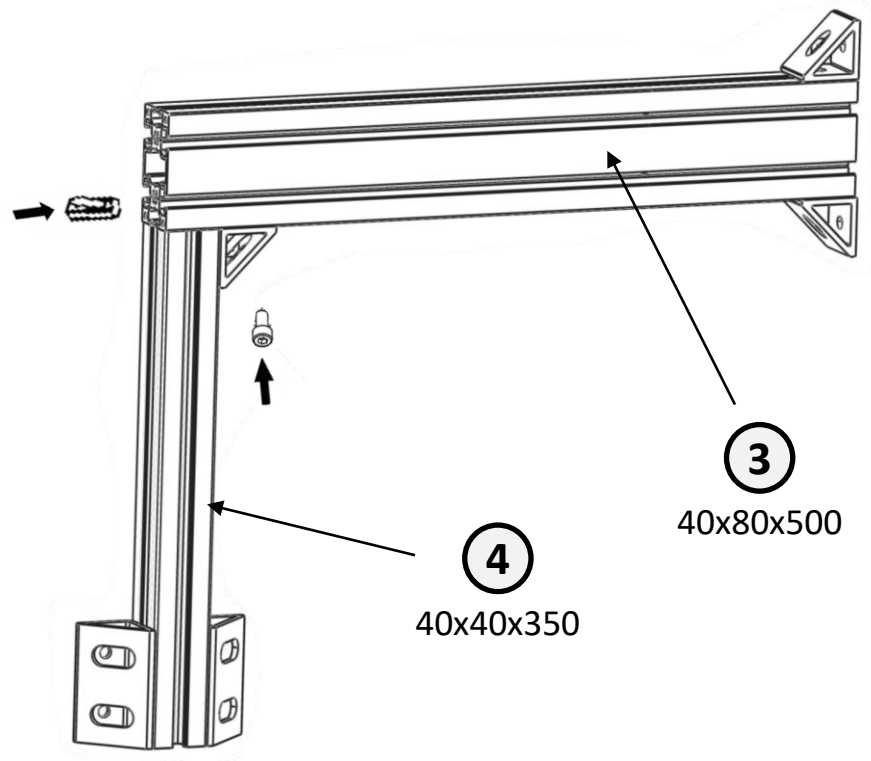
M8x16 x8	M8 Slider x8
	





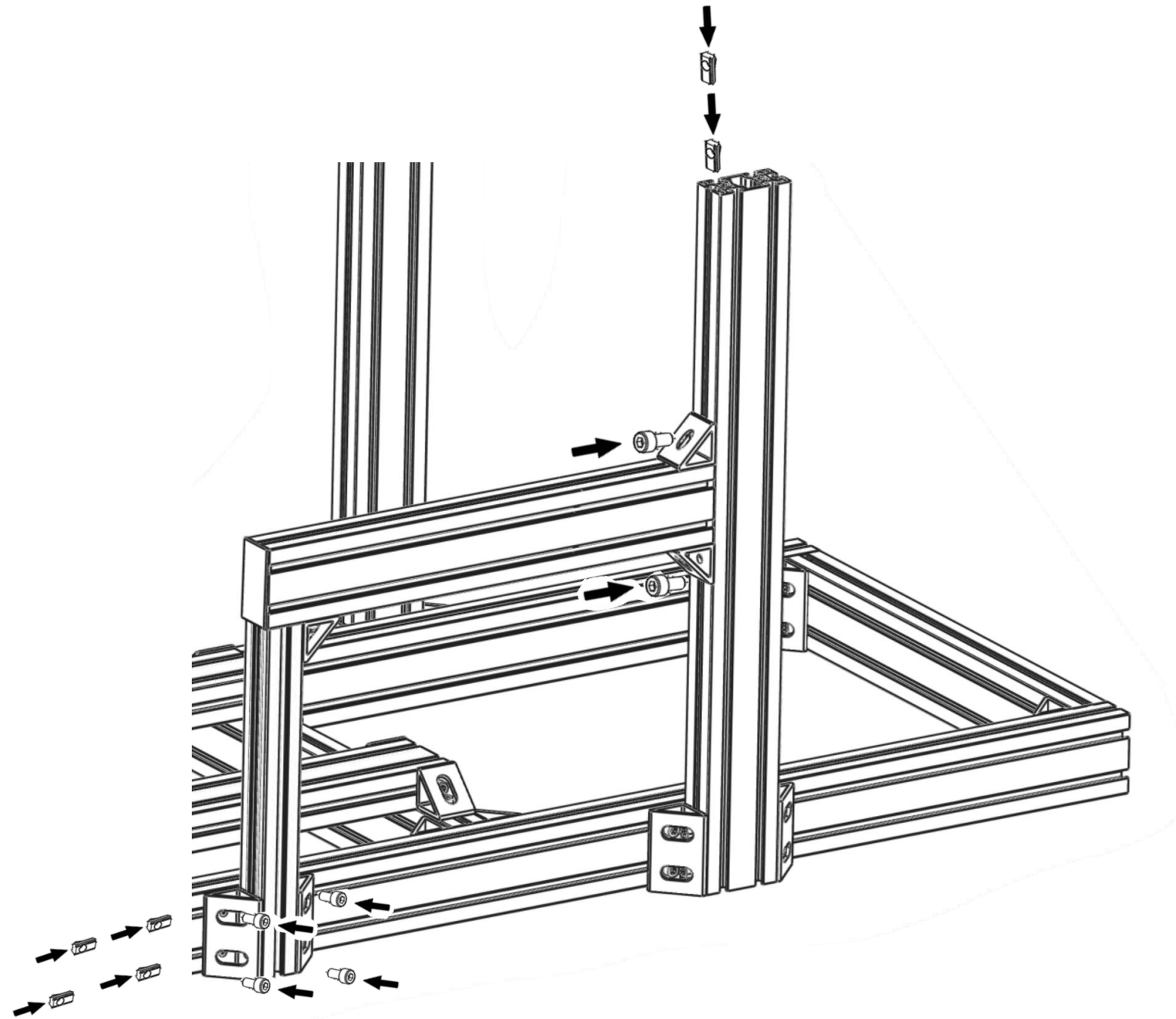
M8x16 x8	M8 Slider x8
	





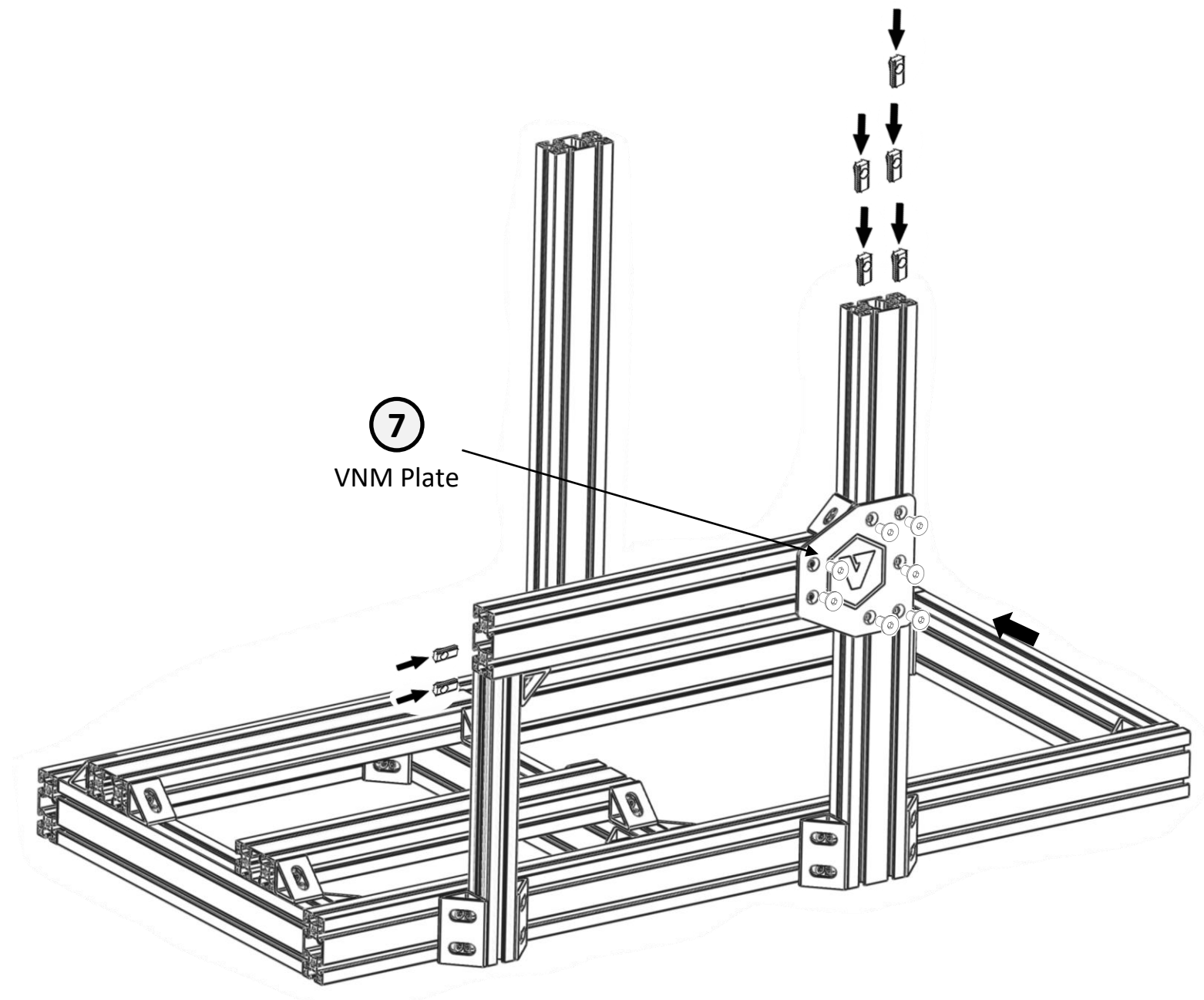
M8x16 x1	M8 Slider x1
	






M8x16 x6	M8 Slider x6
	



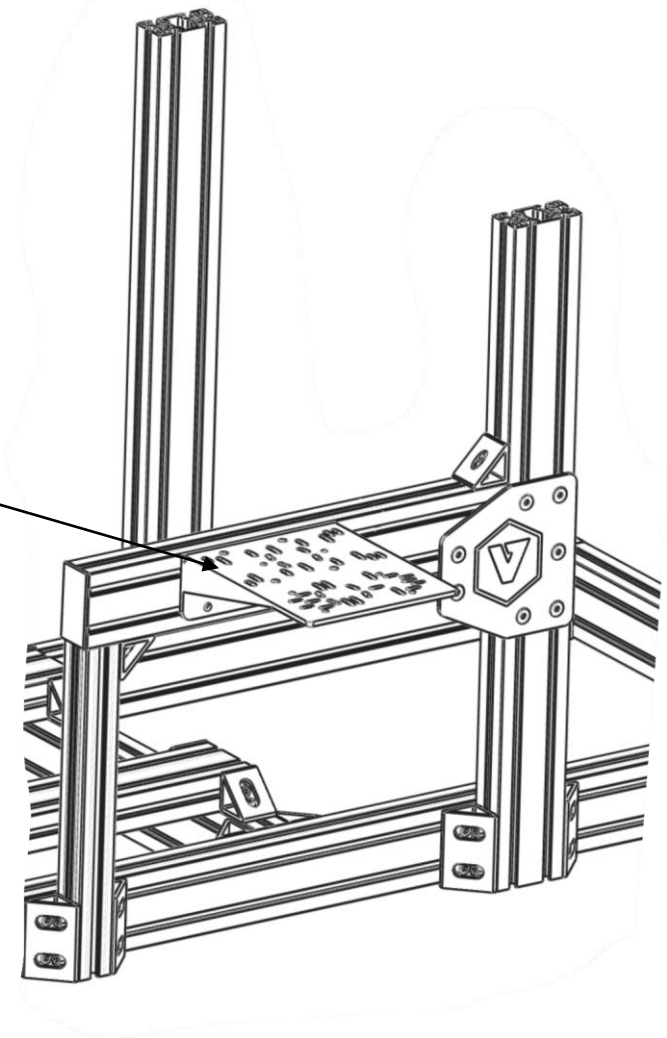
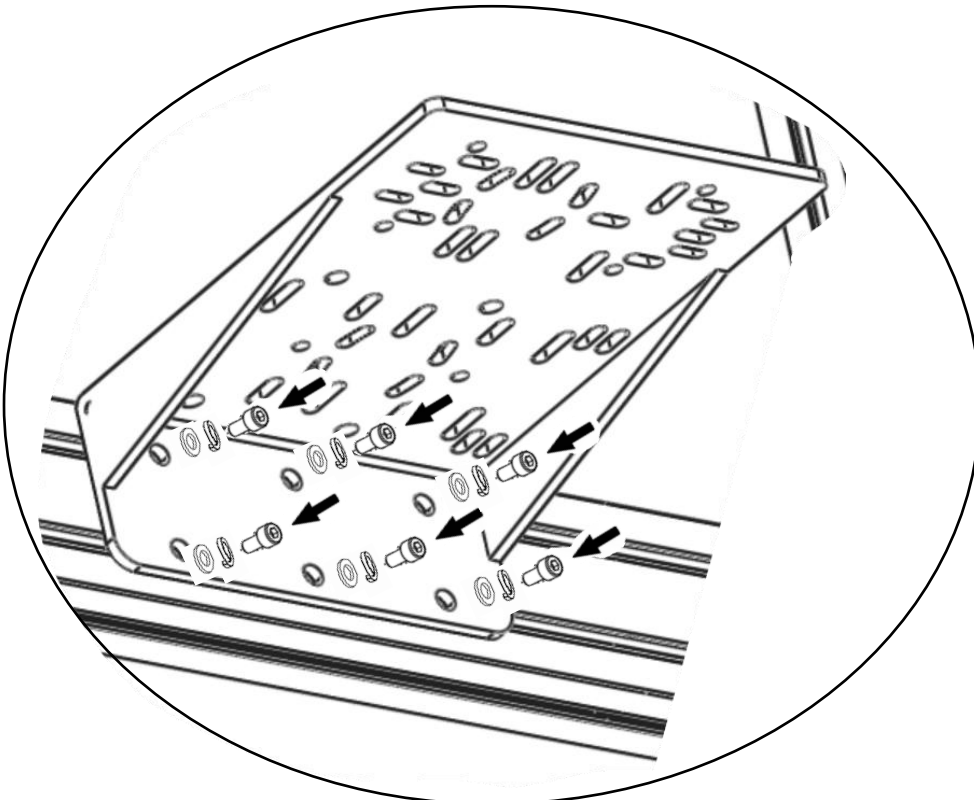
M8x16 x7	M8 Slider x7
	







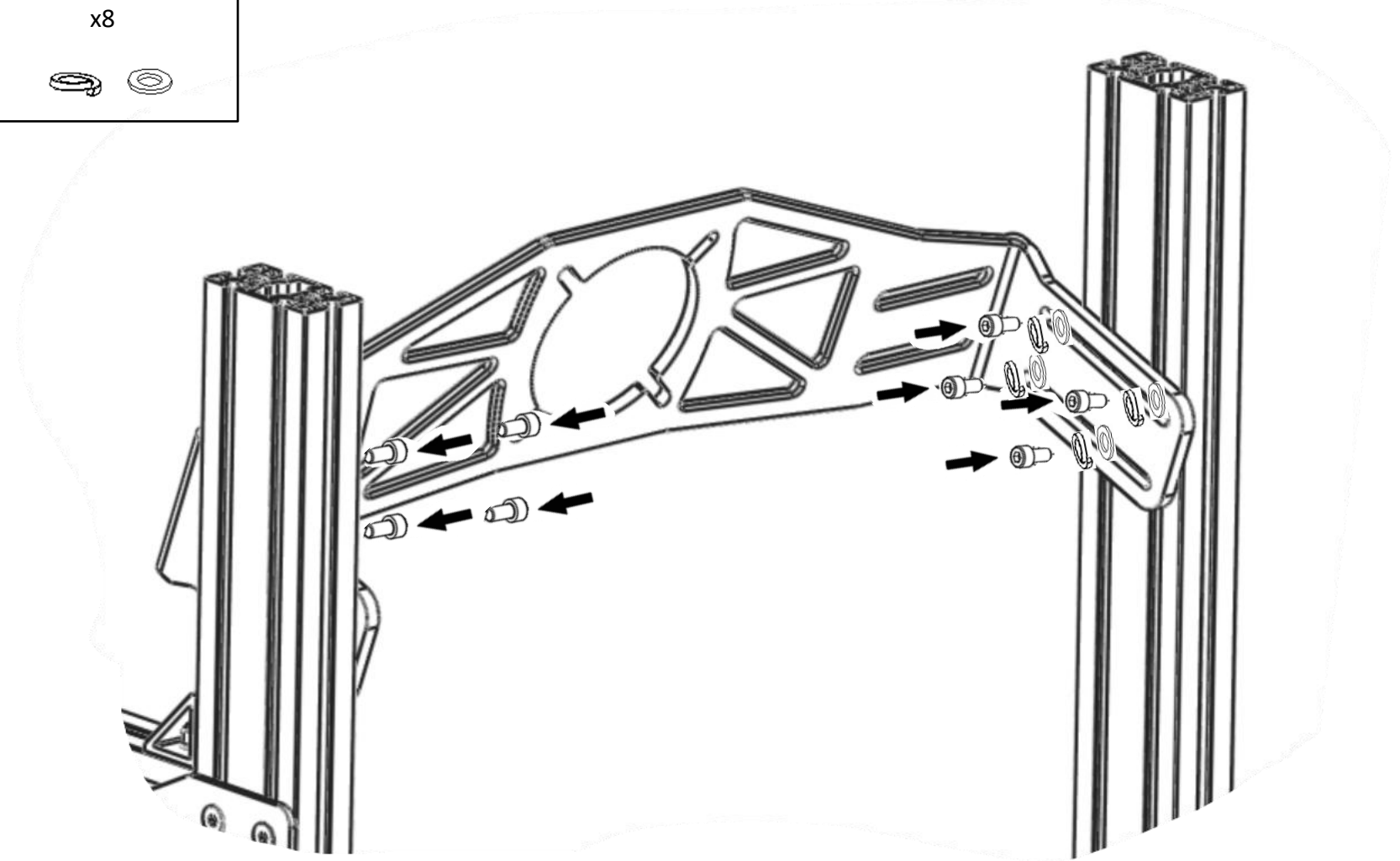
M8x16 x6	M8 Slider x6	Flat, Spring M8 x6
		



8

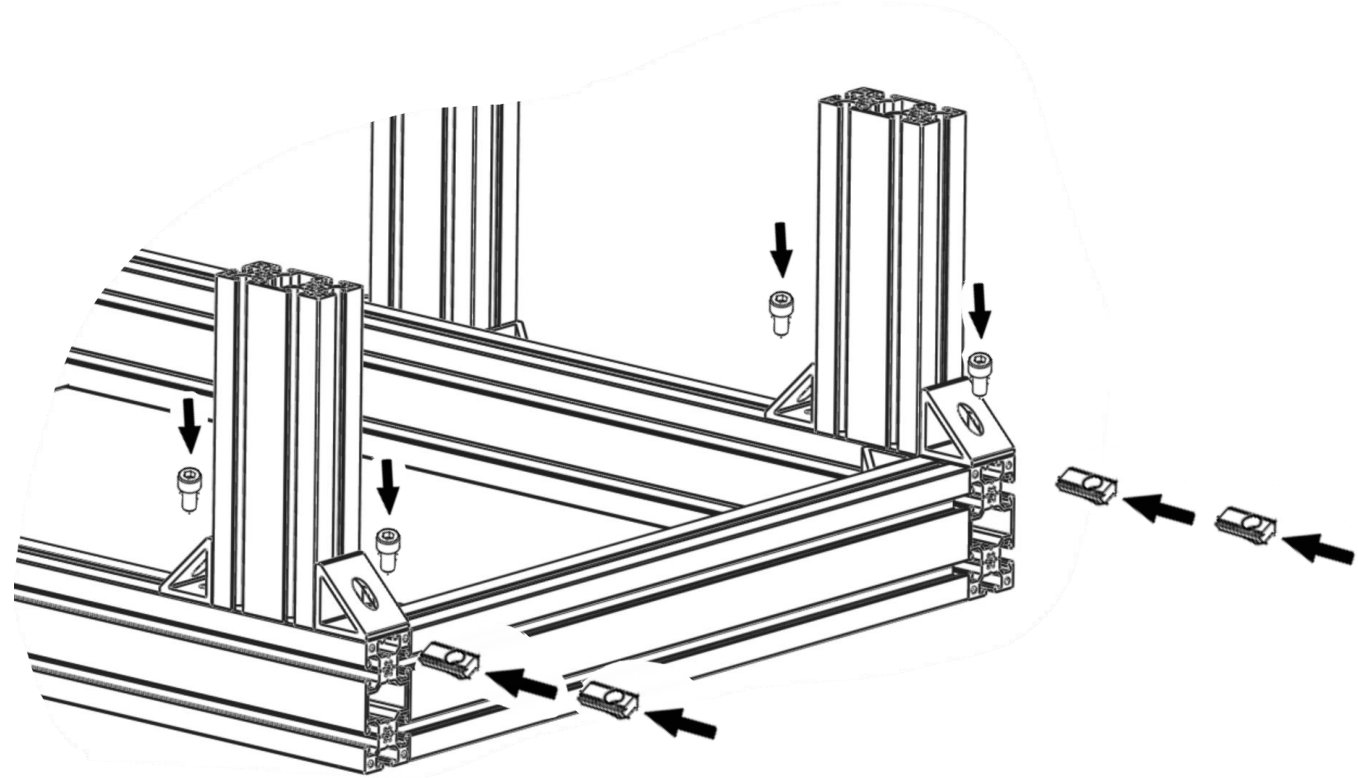
Handbrake Shifter  
Bracket



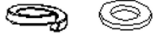


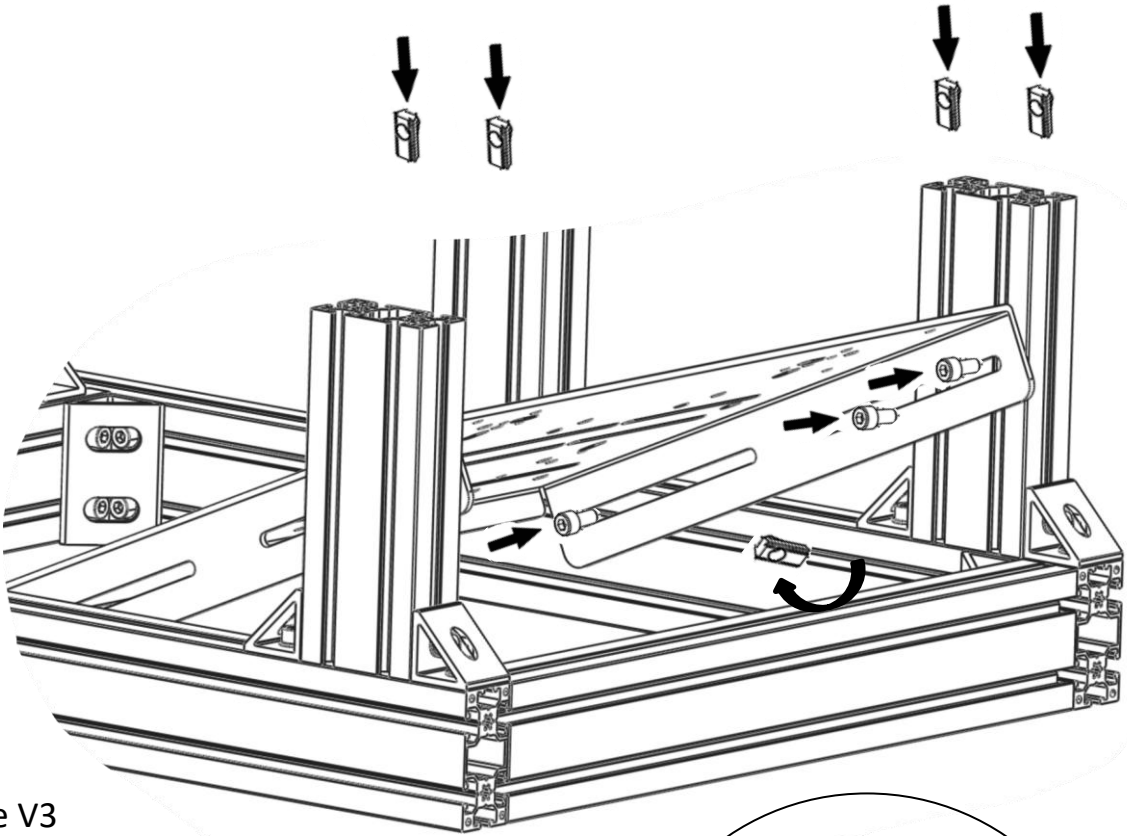
M8x20 x8	M8 Slider x8	Flat, Spring M8 x8
		 



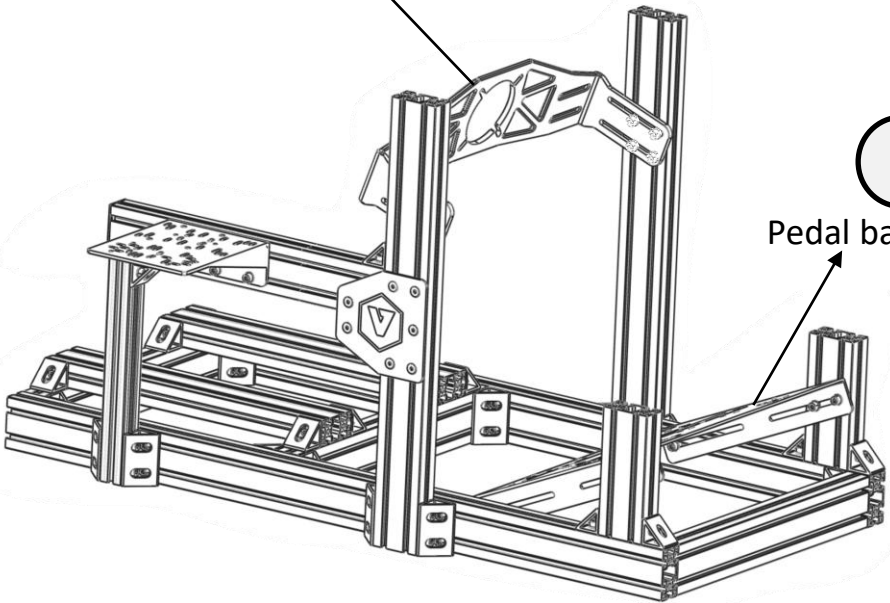
M8x16 x4	M8 Slider x4
	



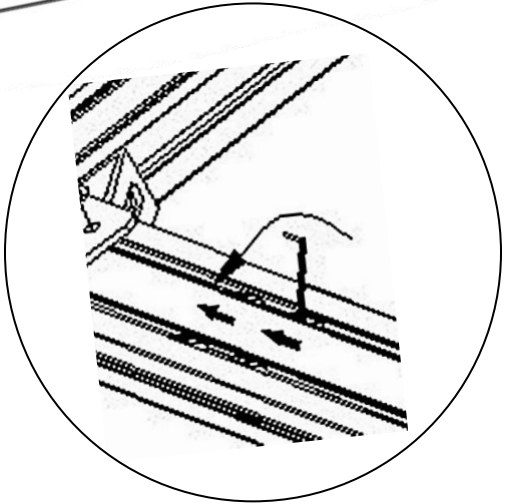
M8x16 x6	M8 Slider x6	Flat, Spring M8 x6
		



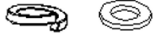


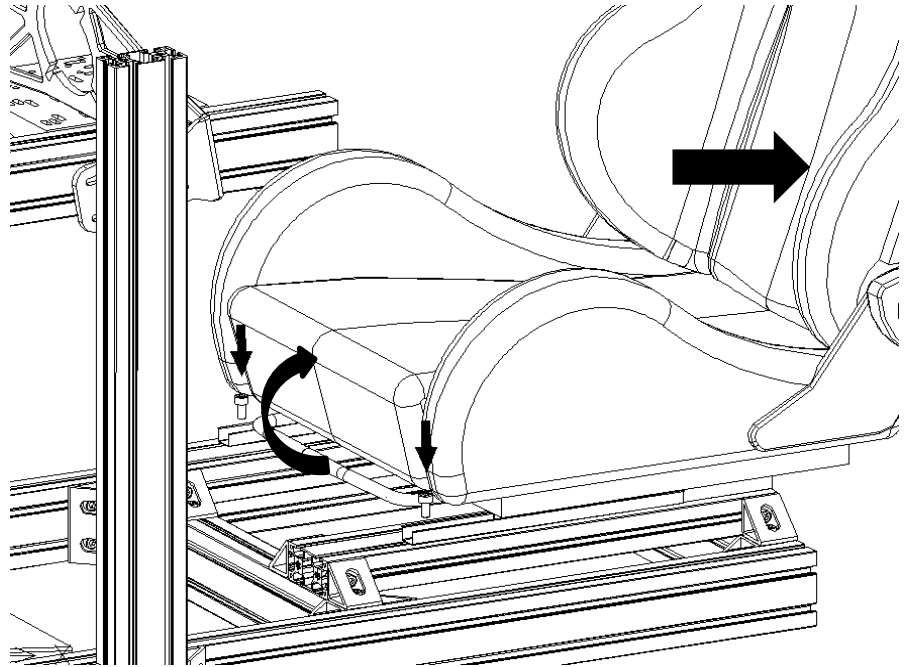
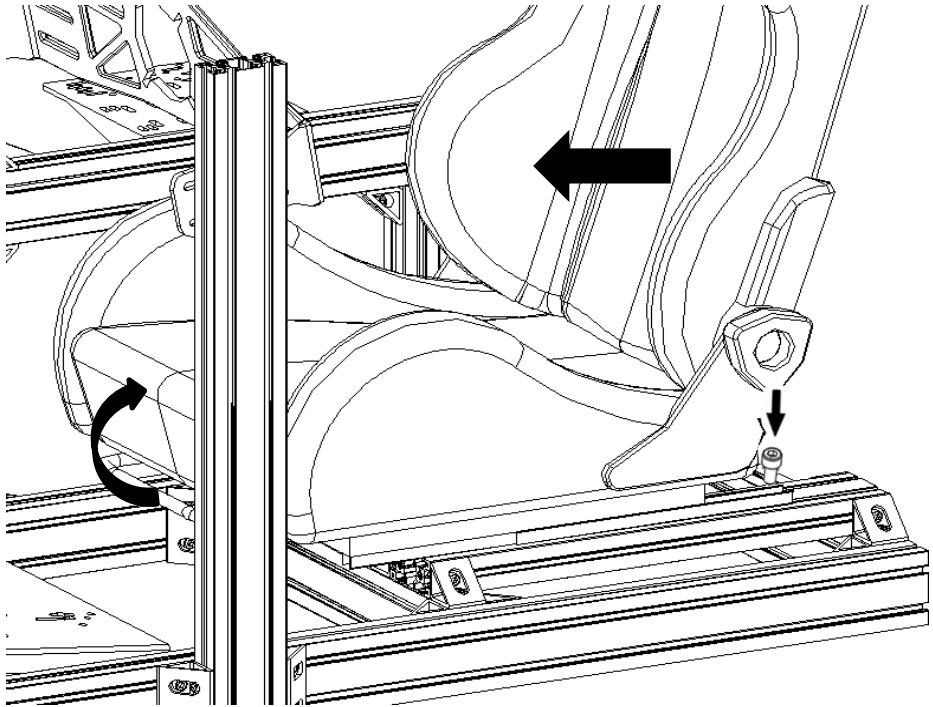
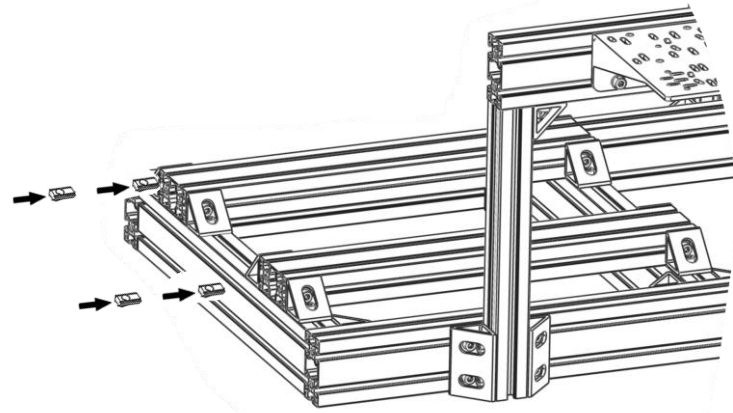
**10**  
Wheel Base Mount  
V1






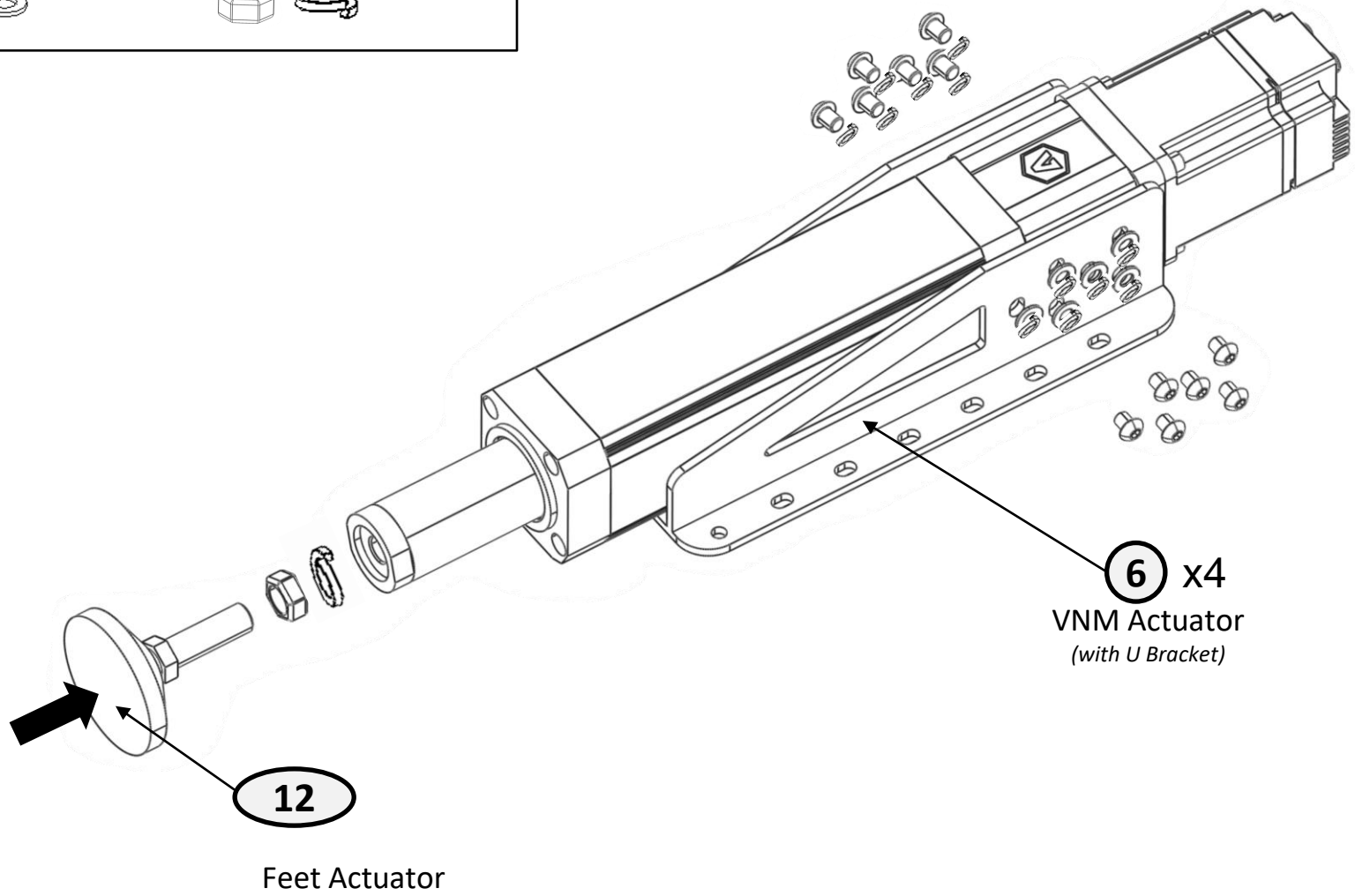
**9**  
Pedal base plate V3



M8x16 x4	M8 Slider x4	Flat, Spring M8 x4
		





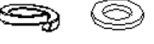
M8x16 x12	Flat, Spring M8 x12	M16 Nuts, Spring M16 x1
		

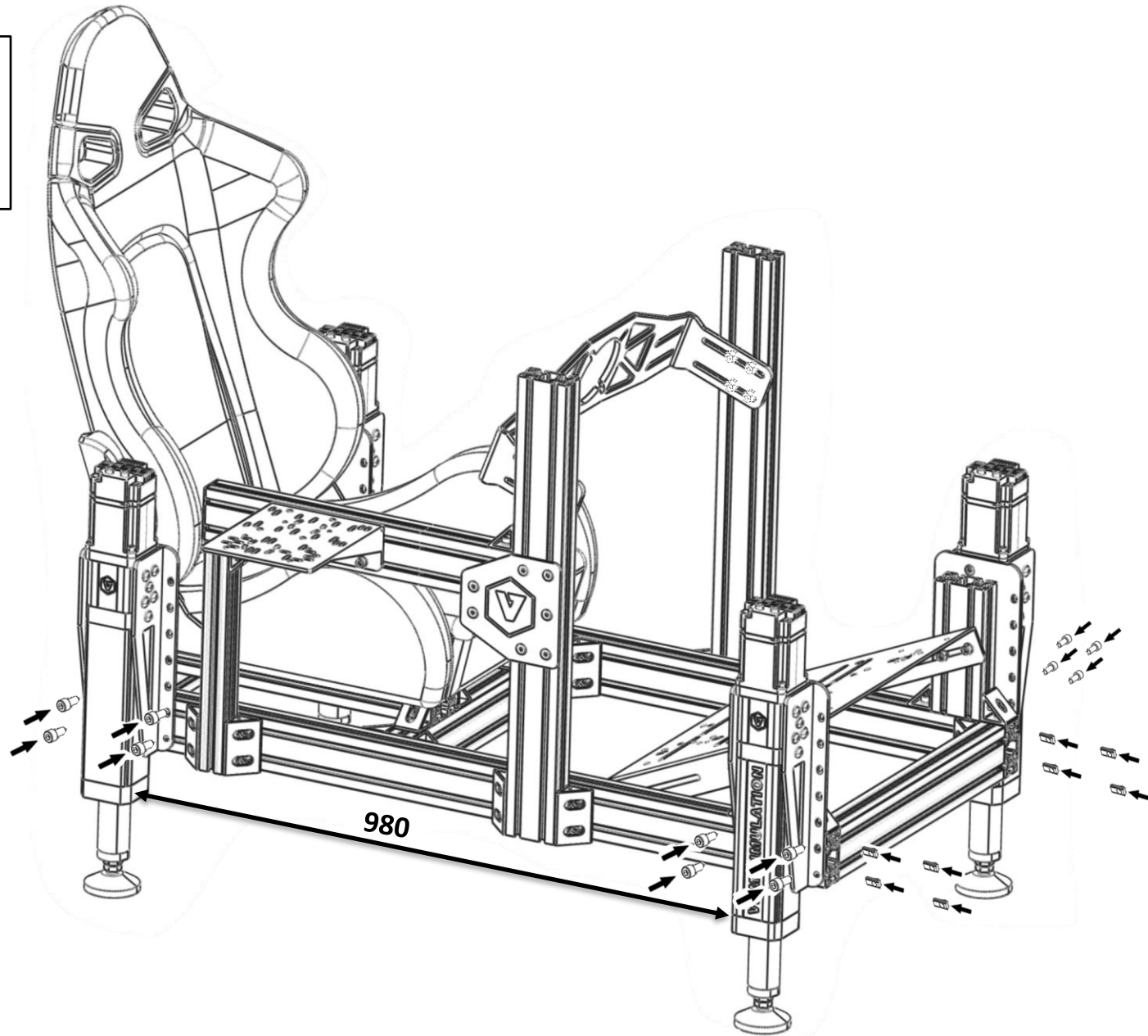


**12**

Feet Actuator

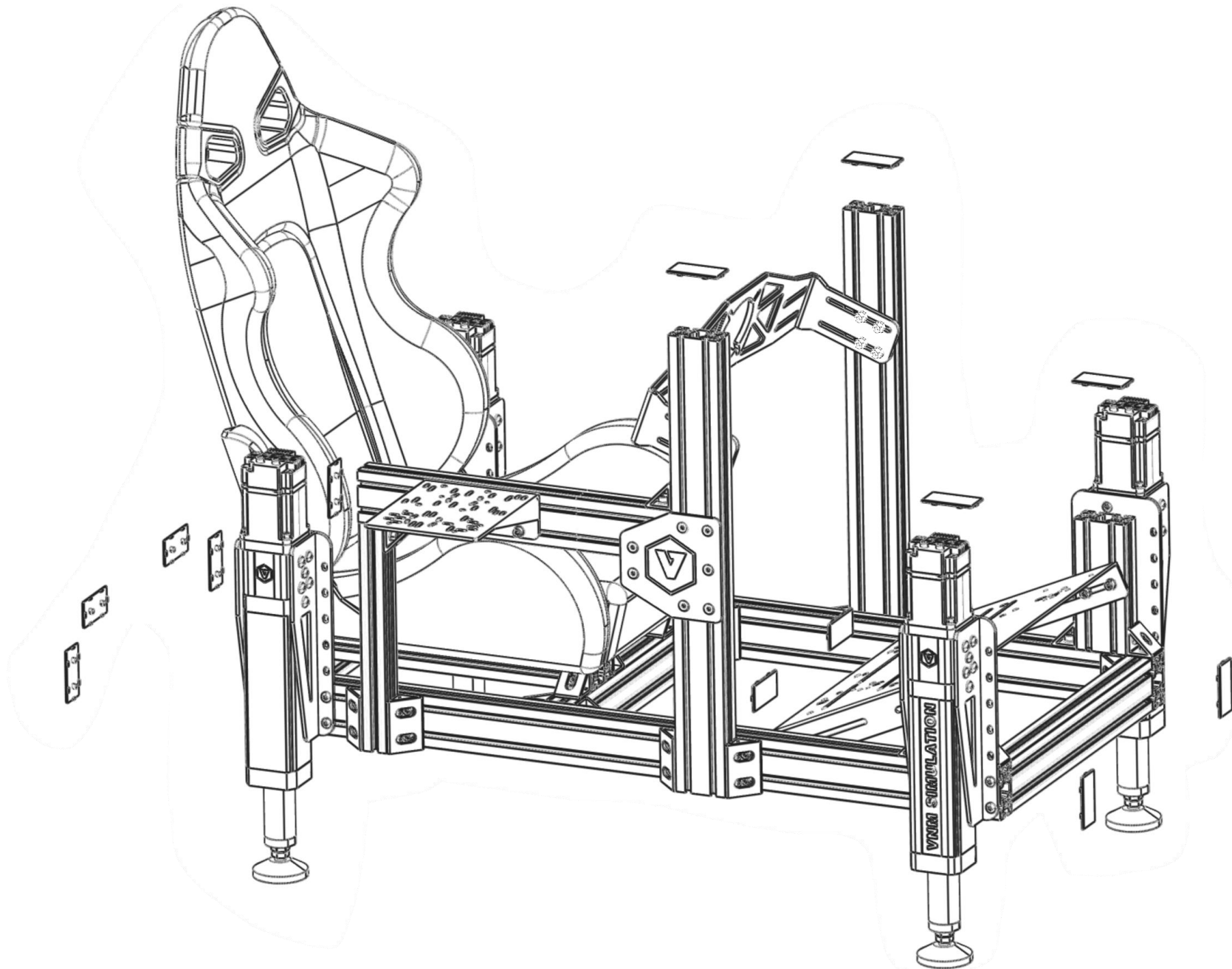
**6** x4  
VNM Actuator  
(with U Bracket)

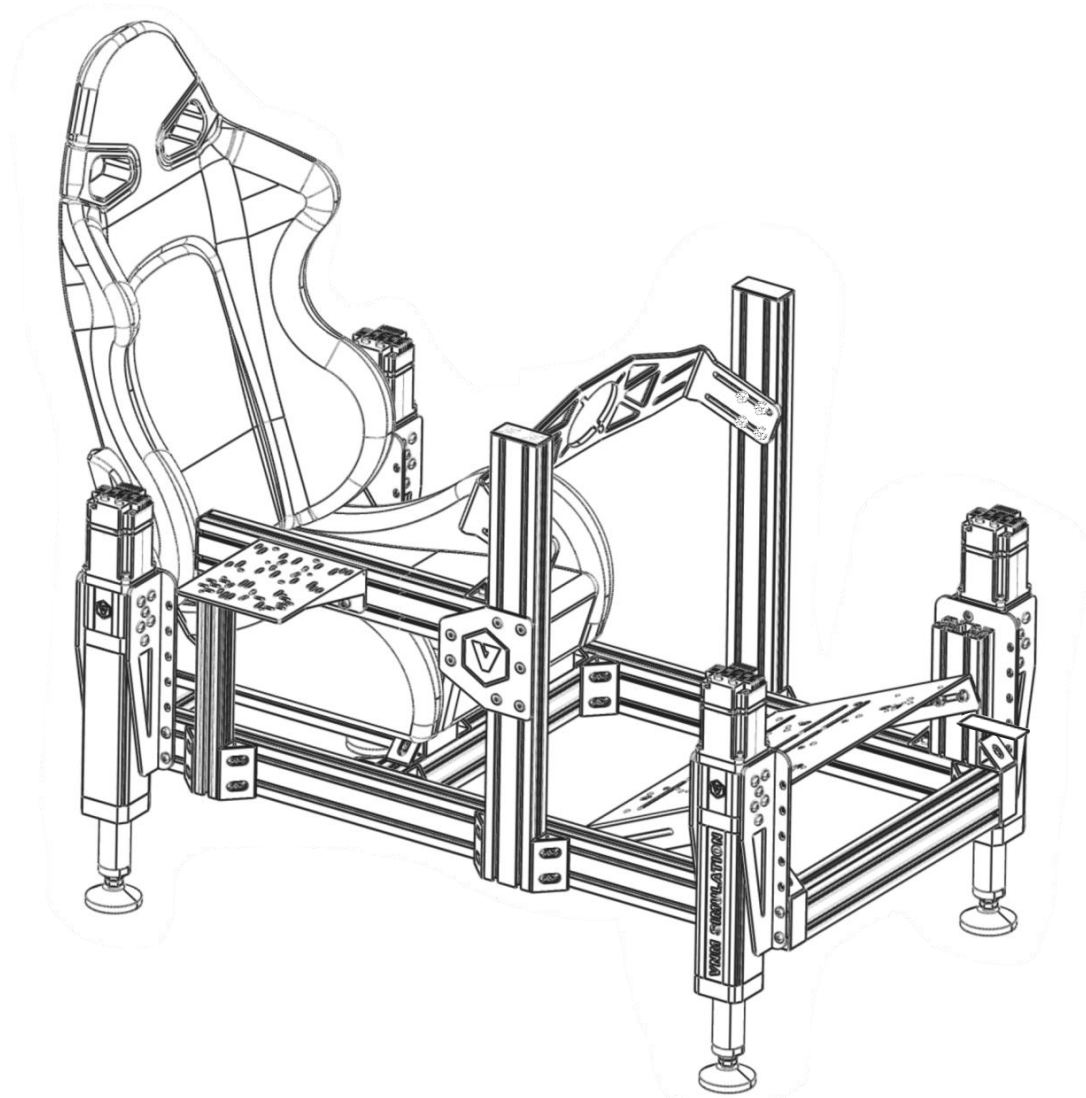
M8x16 x16	M8 Slider x16	Flat, Spring M8 x16
		



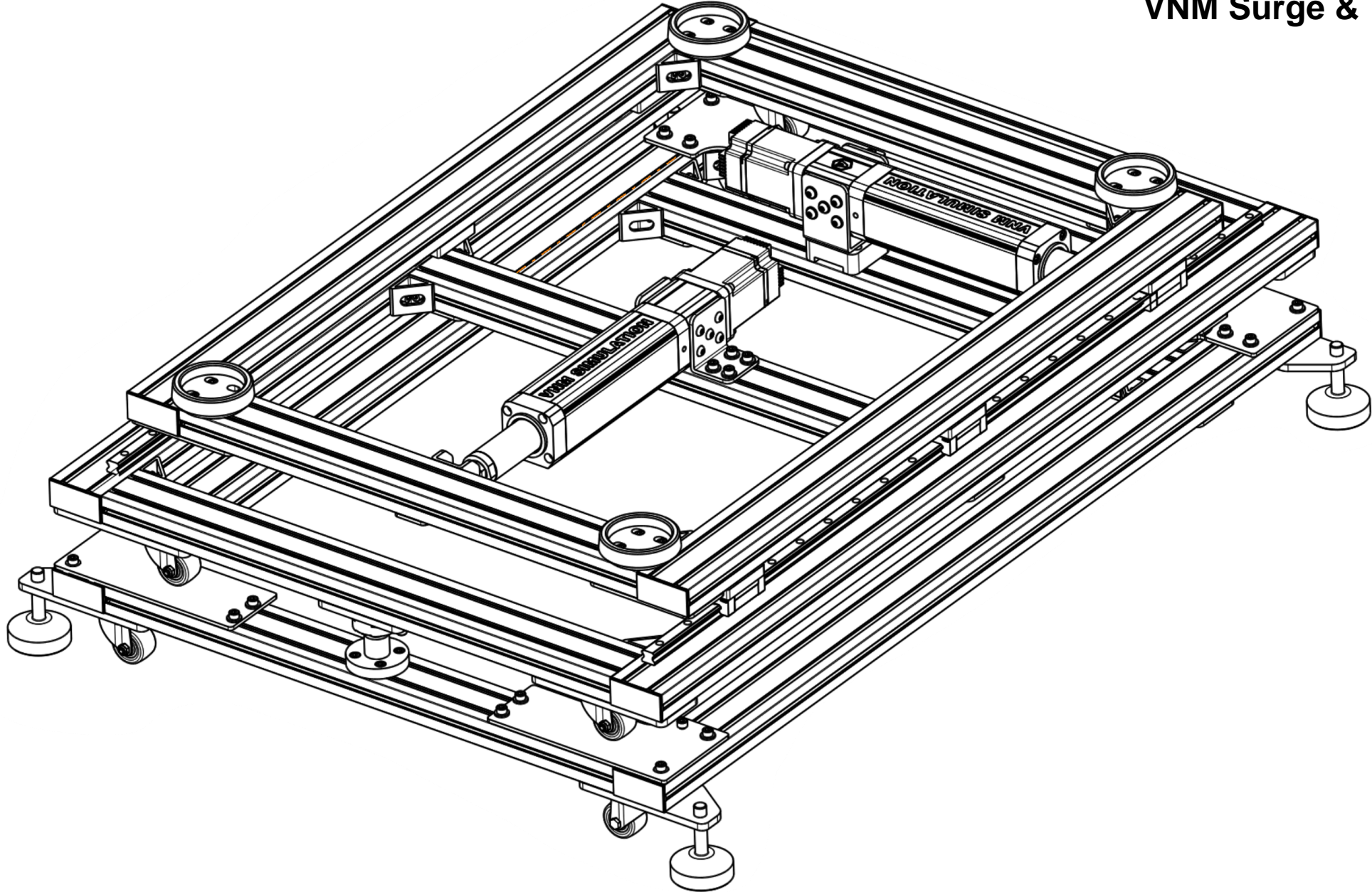
**Tip:** Use rigid blocks of suitable height to support the four corners of the rig for easier installation of the four VNM actuators.

Alu cover  
x13

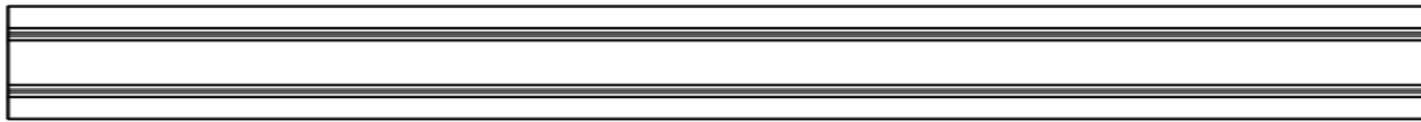




Installation guide  
VNM Surge & TL Platform



① 40x80x1400  
x4



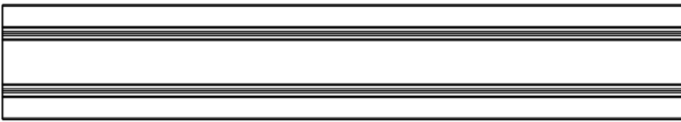
② 40x80x1140  
x2



③ 40x80x800  
x6

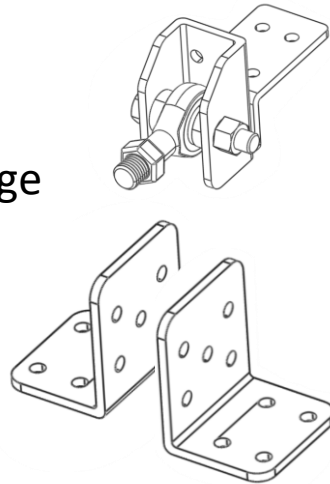


④ 40x80x720  
x2



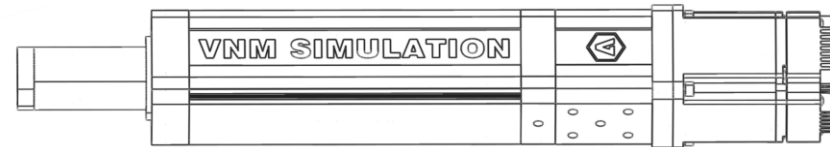
⑤

Actuator Surge  
Bracket  
x1



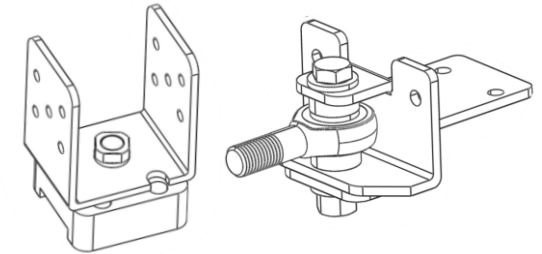
⑥

VNM Actuator 150mm  
x2



⑦

Actuator  
Tractionless Bracket  
x1



8

### Linear Guide Rail Assembly

1300mm

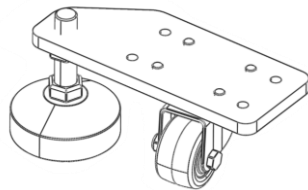
x2



9

Foot Motion

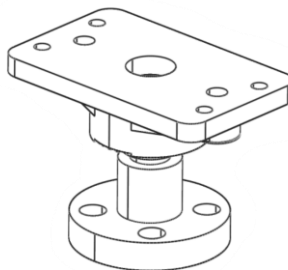
x4



10

Spindle & UCFL204

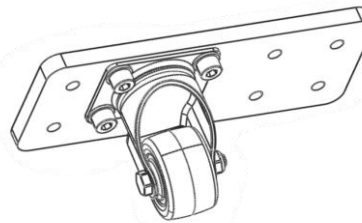
x1



11

Low Gravity

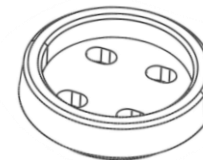
x4



12

D100 Cup

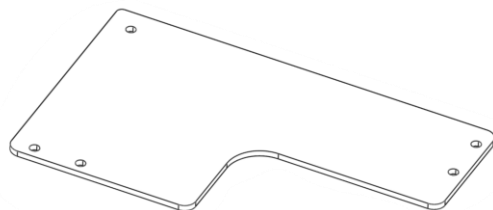
x4



13

Wheel Support Bracket

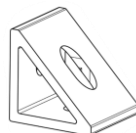
x4



14

4040 Conner Alu

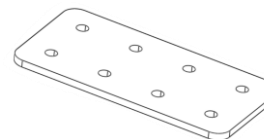
x20



15

Connector Plate I

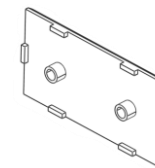
x8



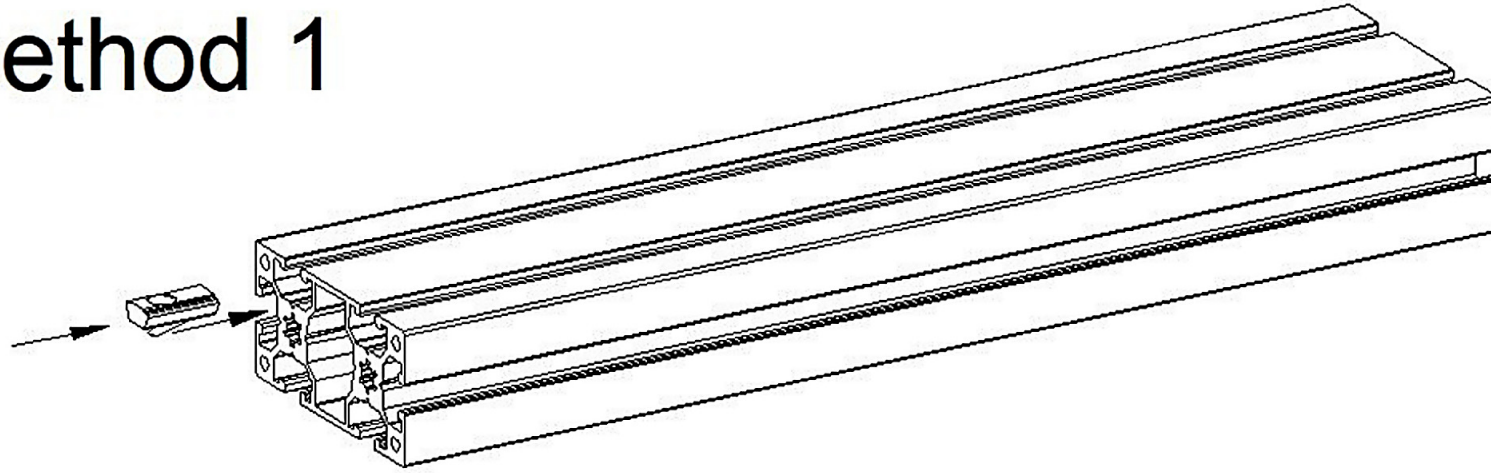
16

Alu Cover

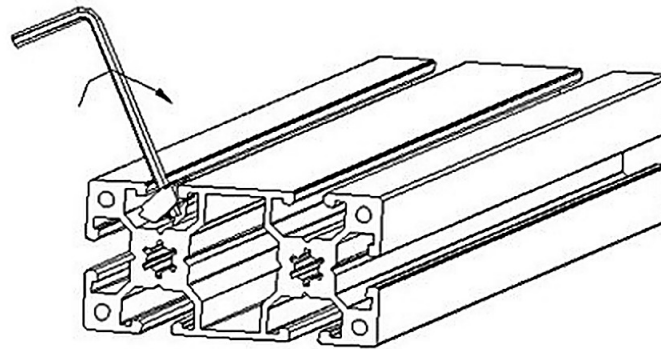
x12

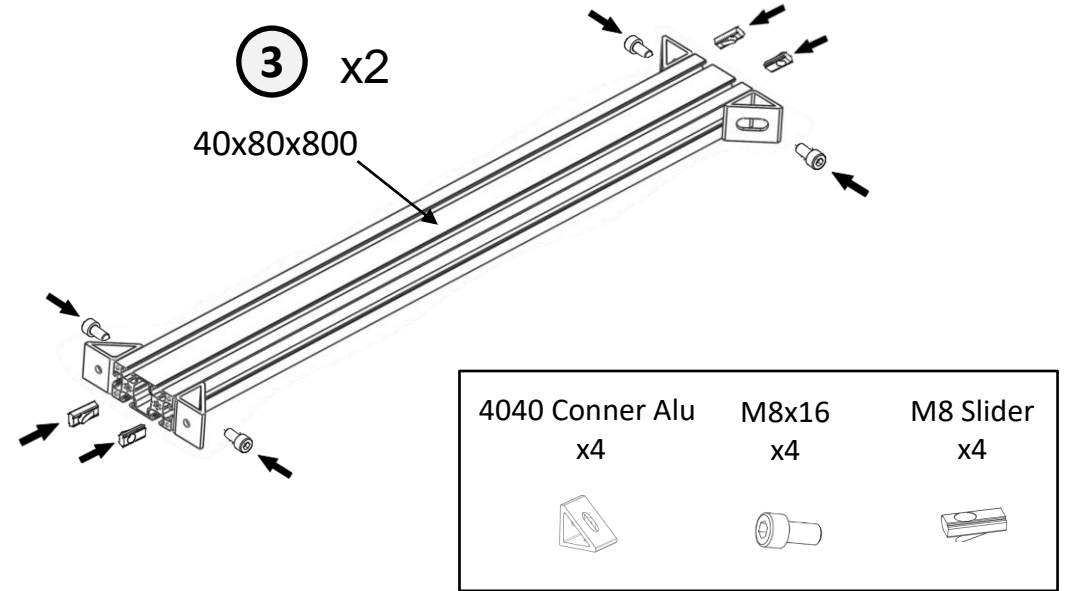
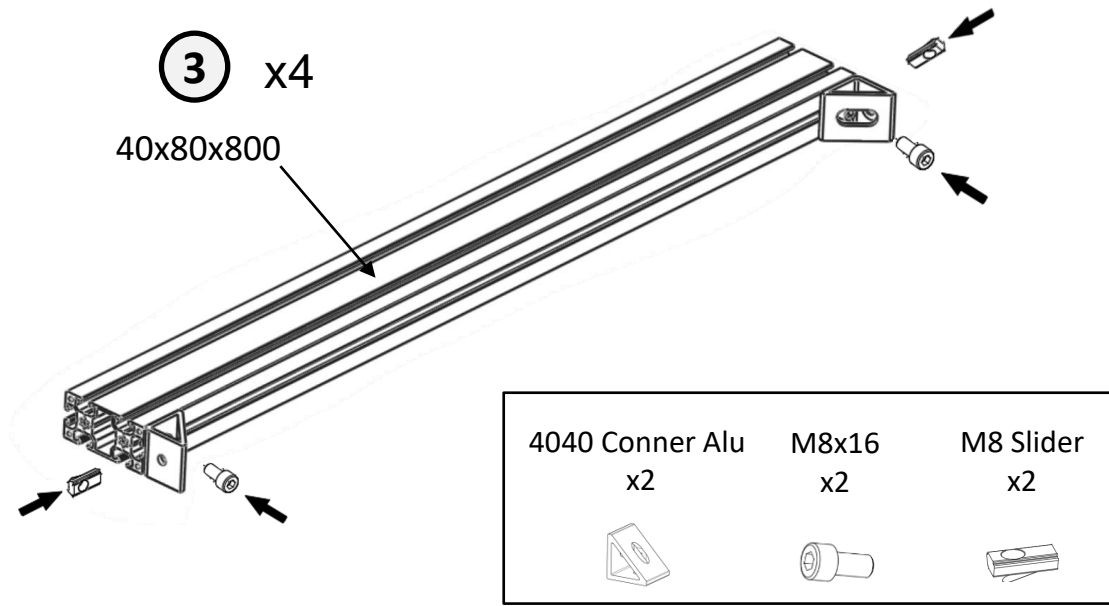


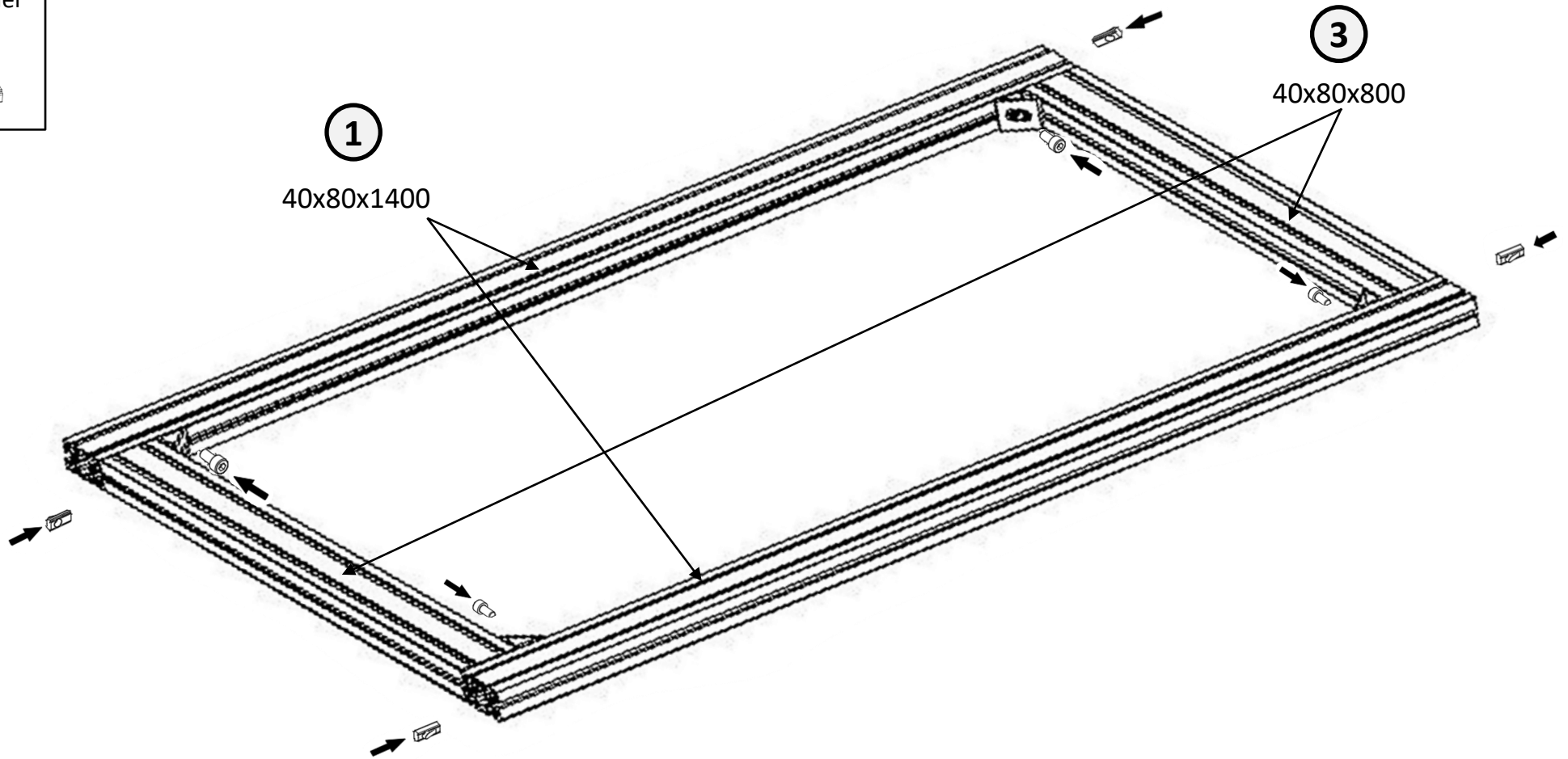
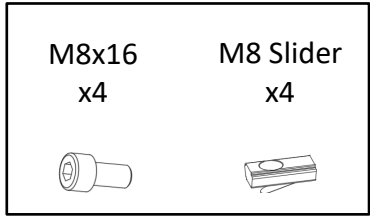
# Method 1





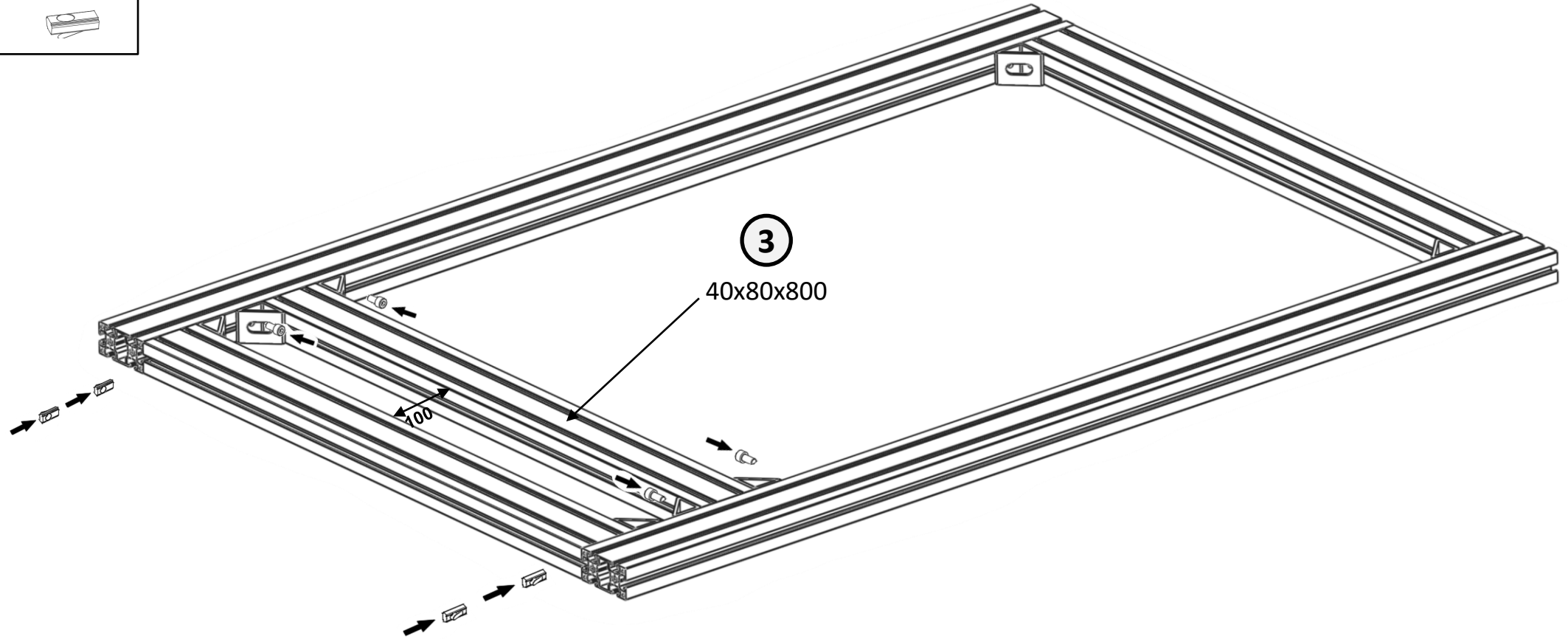
# Method 2







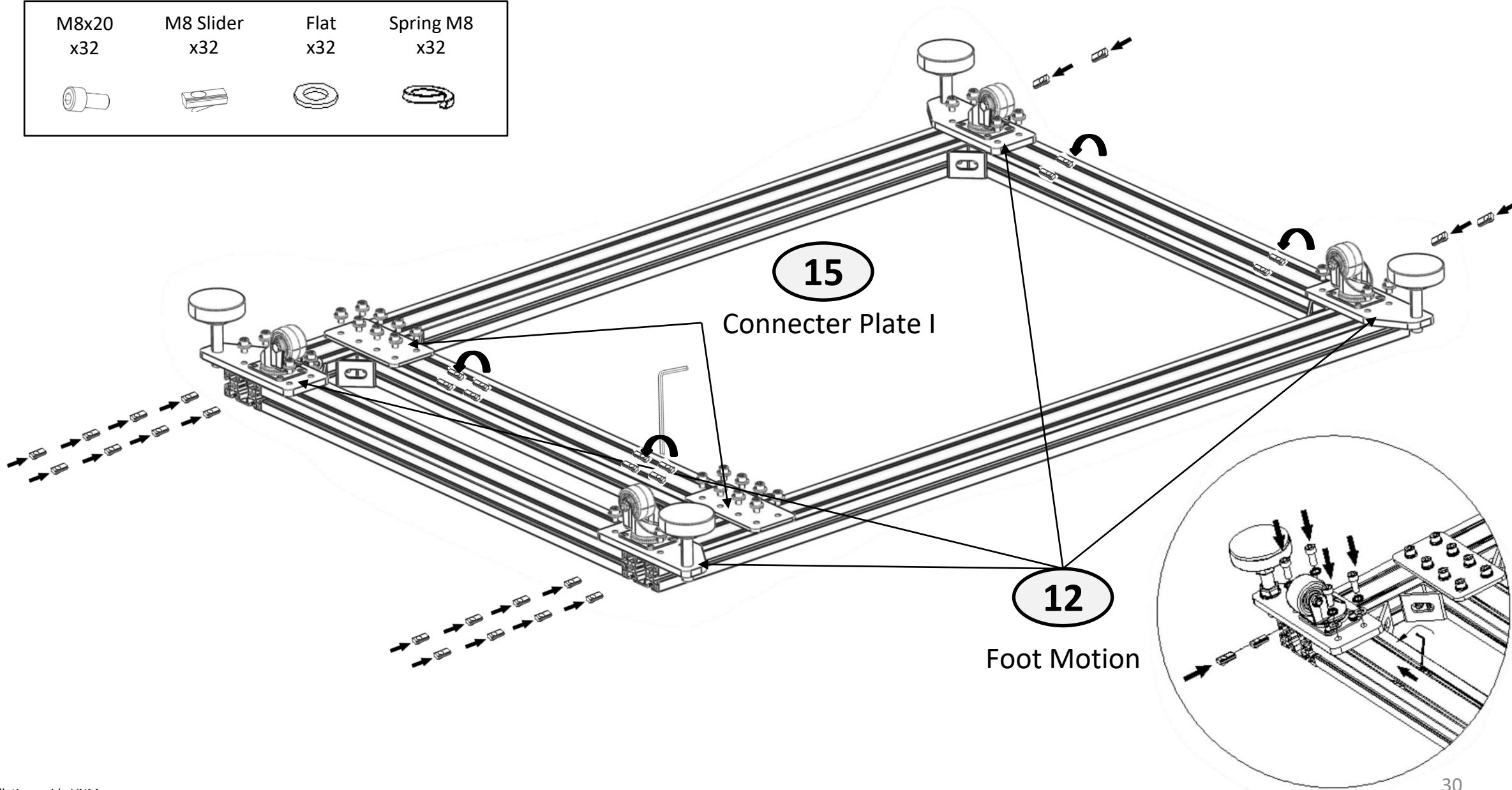








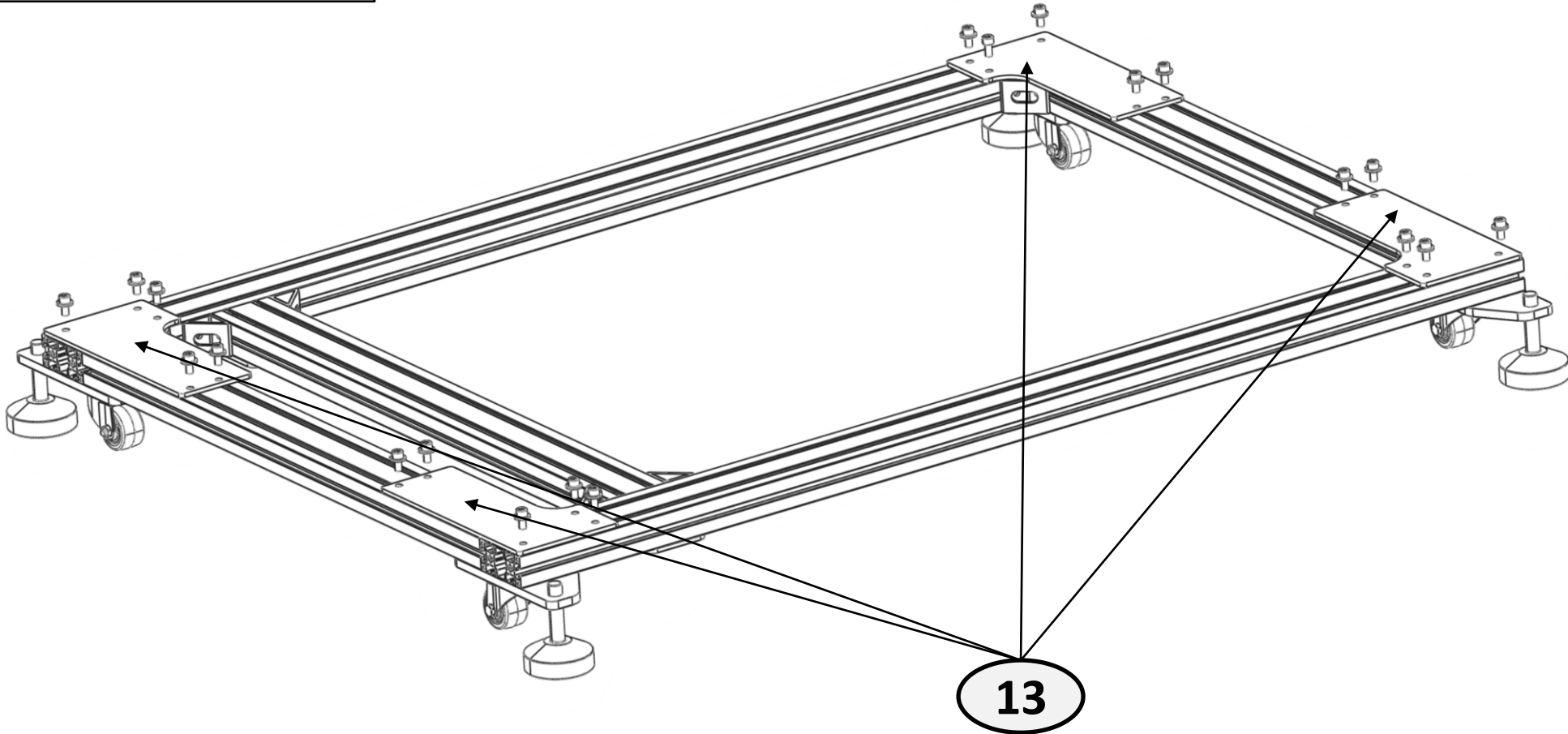
M8x16 x4	M8 Slider x4
	



M8x20 x32	M8 Slider x32	Flat x32	Spring M8 x32
			






M8x16 x20	M8 Slider x20	Flat x20	Spring M8 x20
			

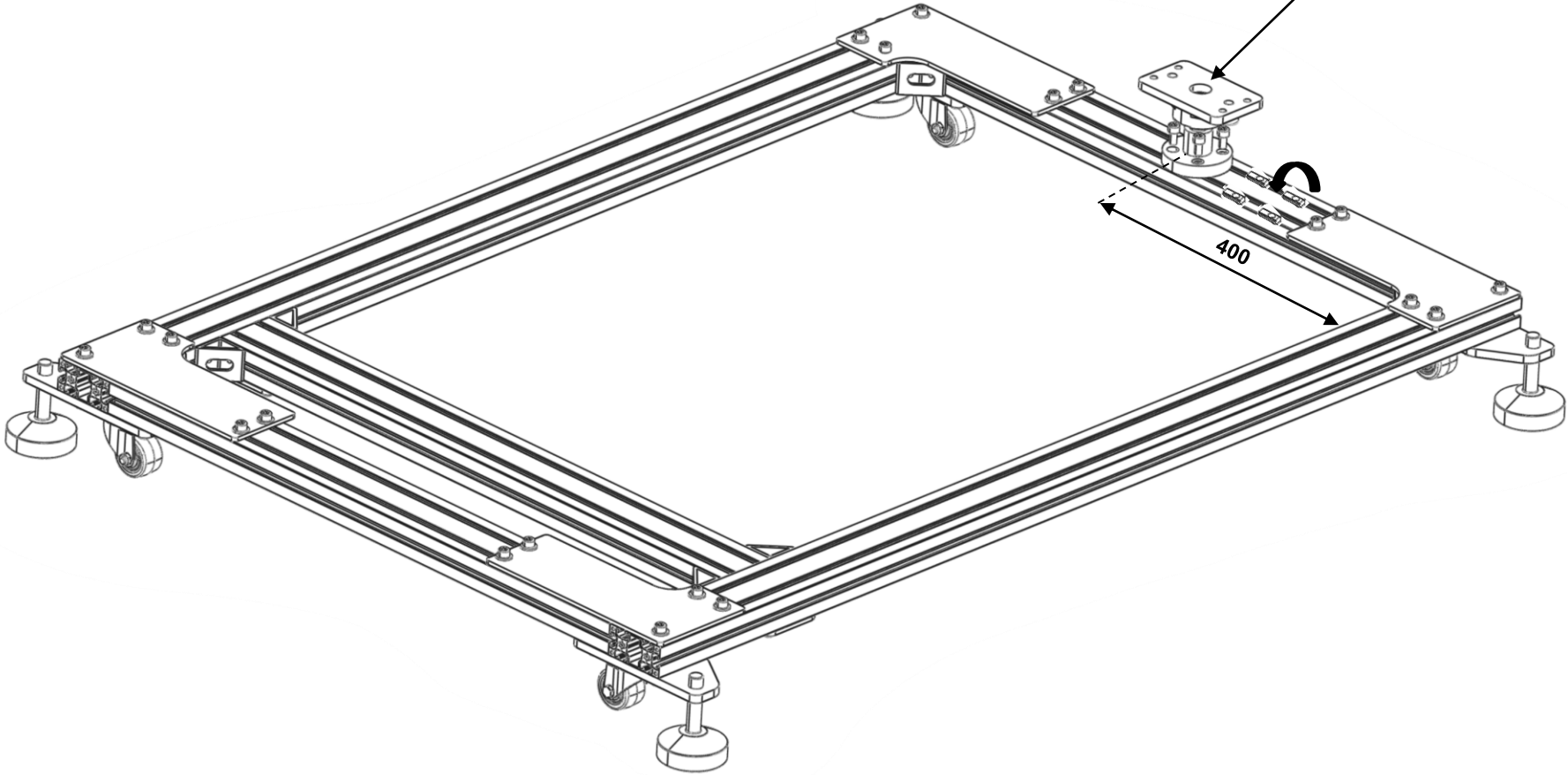


**13**  
Wheel Support Bracket




10

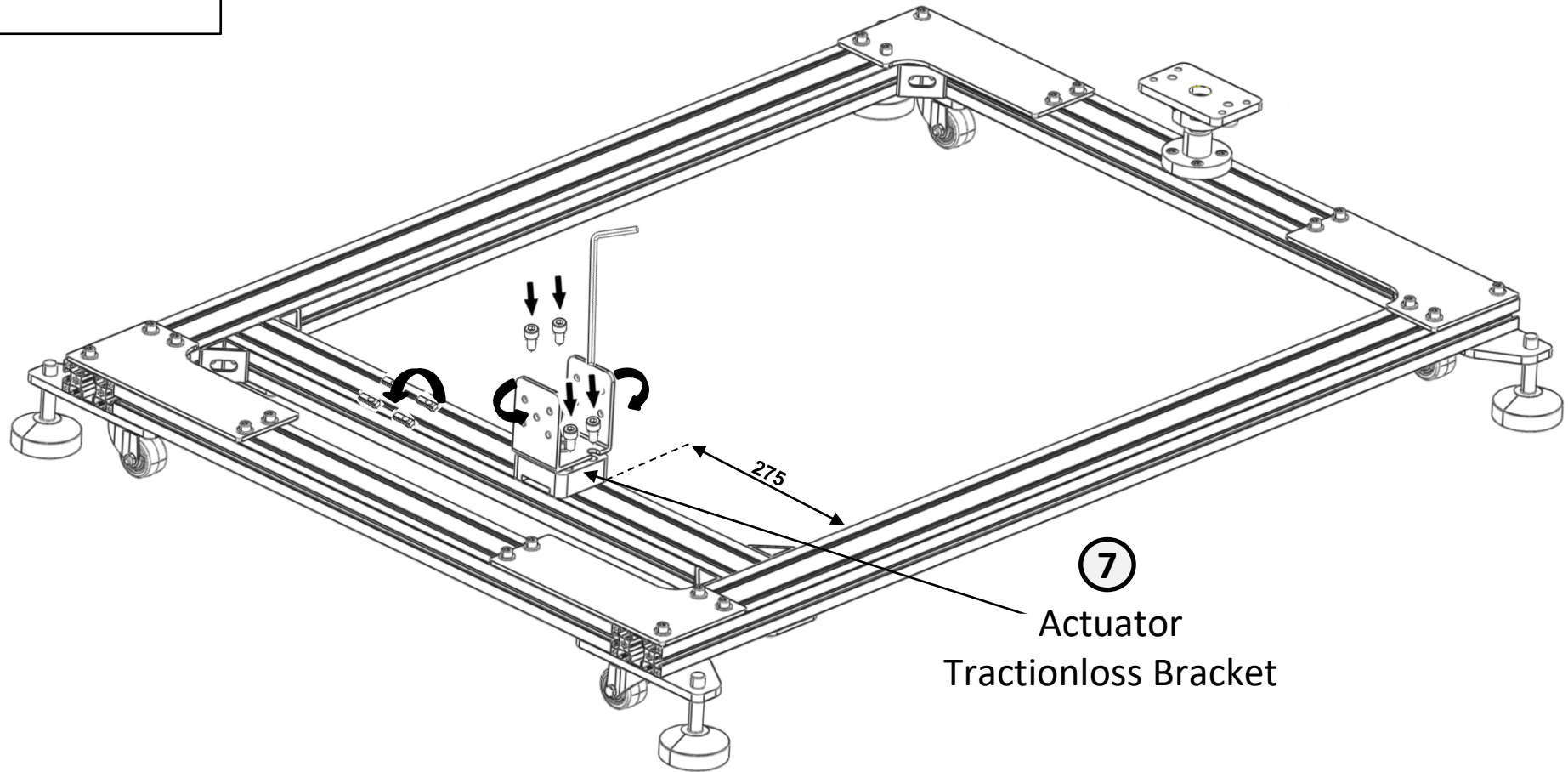
Spindle & UCFL204

M8x16 x4	Spring M8 x4	M8 Slider x4
		



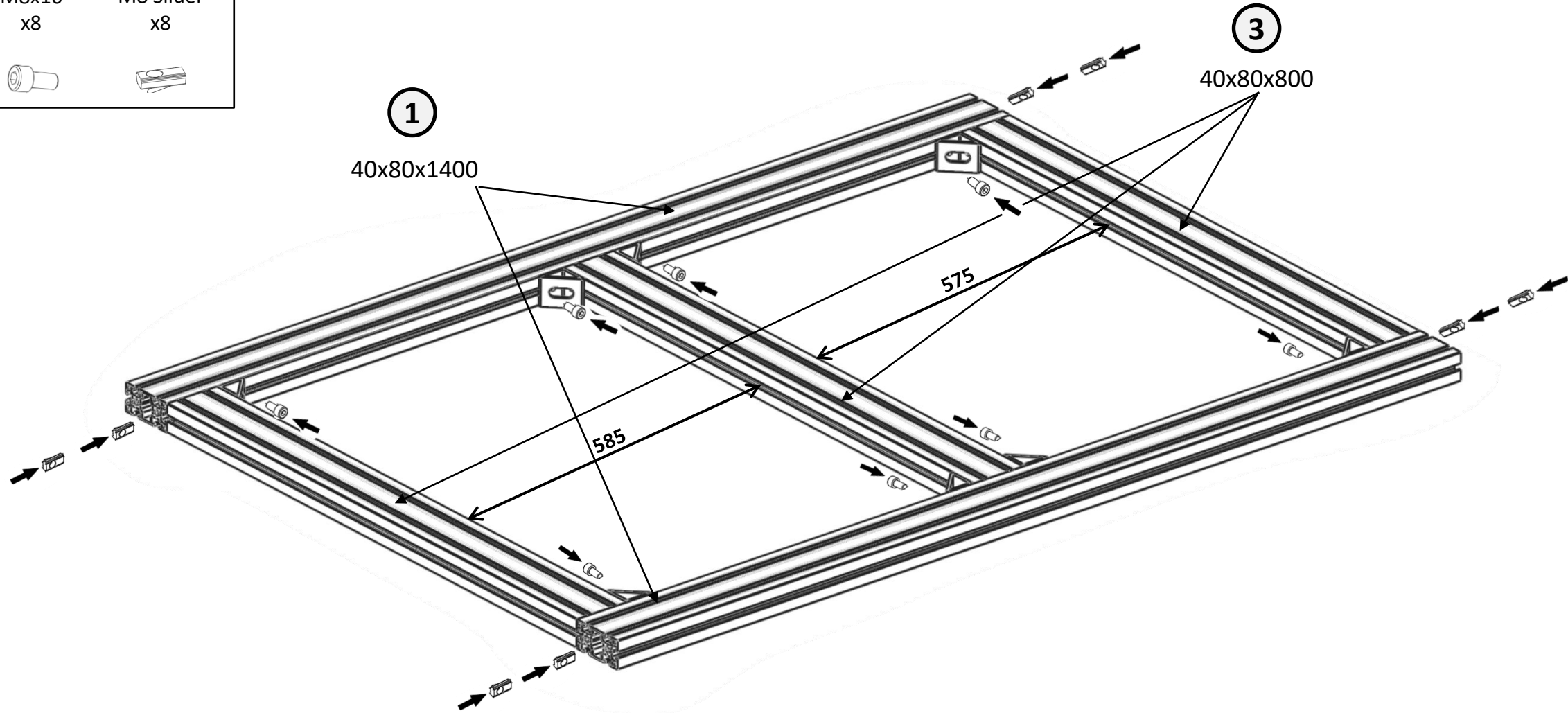
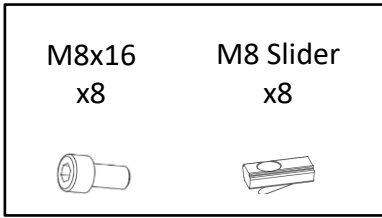
Fully tighten the screws at this step.





M8x20 x4	Spring M8 x4	M8 Slider x4
		

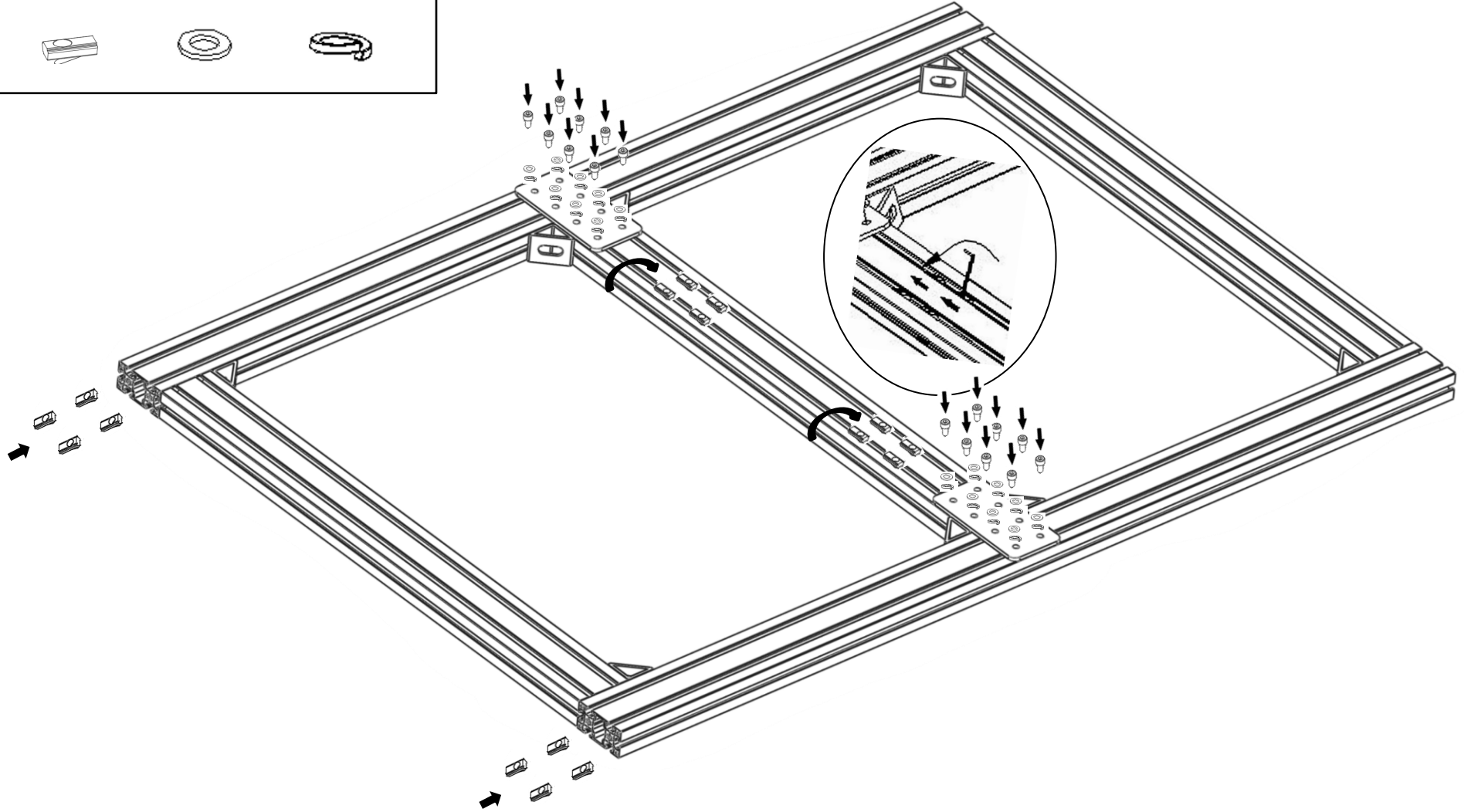






⑦  
Actuator  
Tractionless Bracket

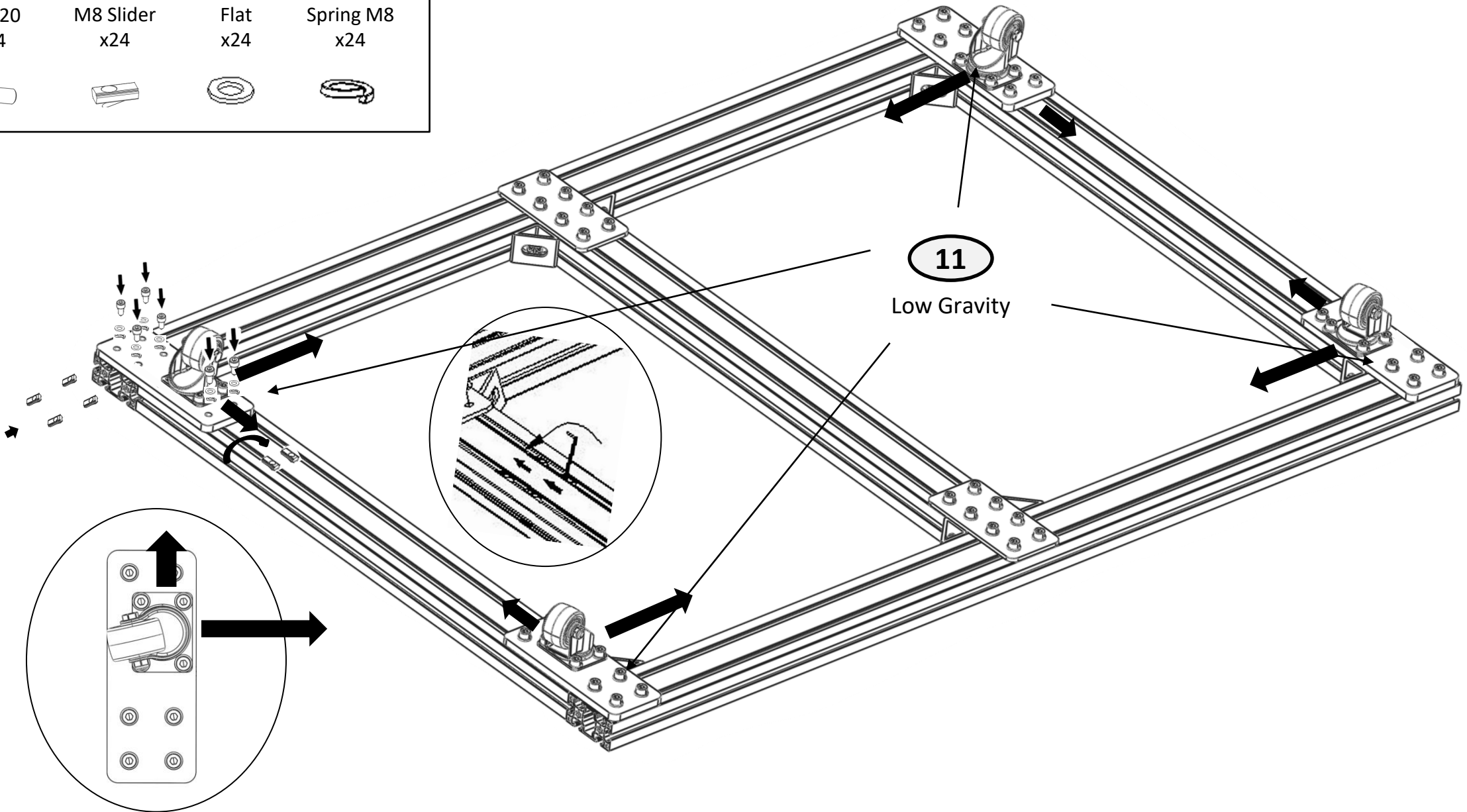
**Fully tighten** the screws at this step





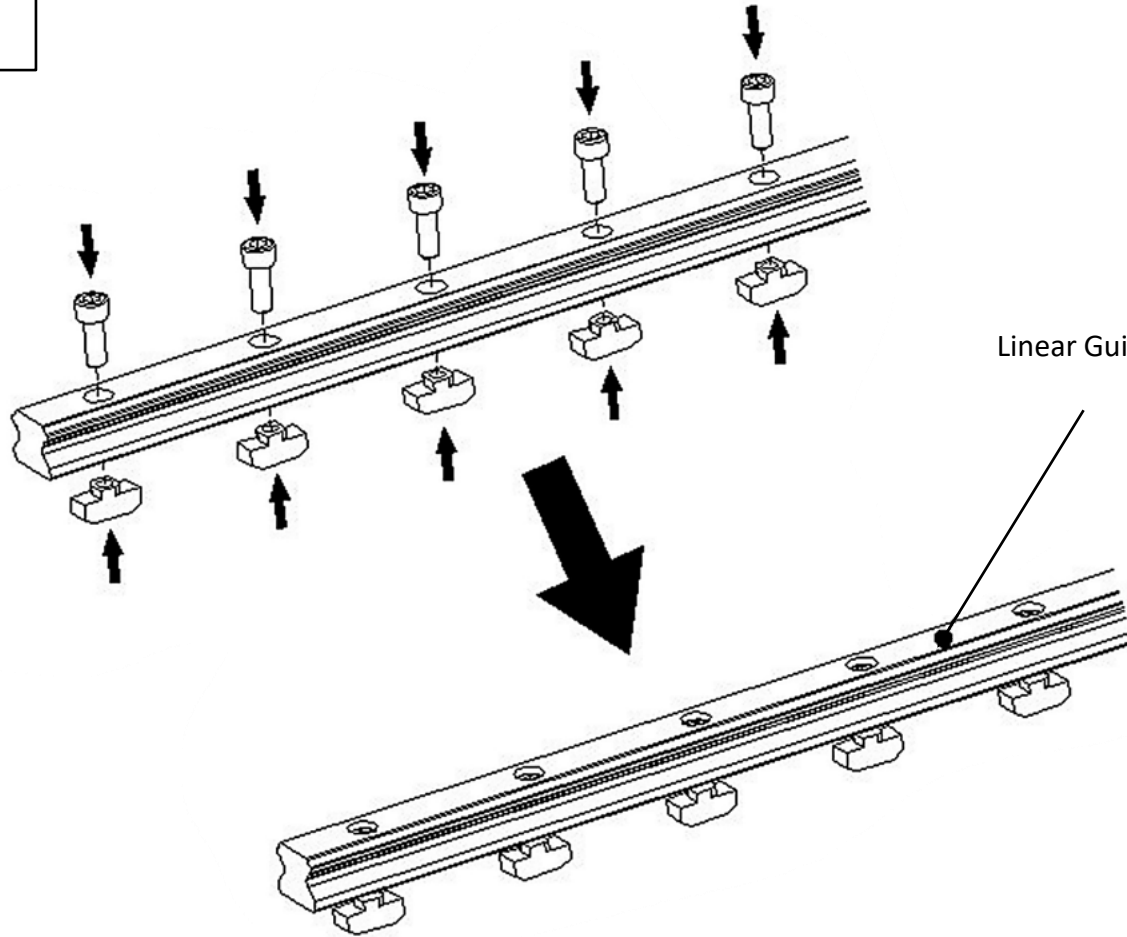
M8x16 x16	M8 Slider x16	Flat x16	Spring M8 x16
			



M8x20 x24	M8 Slider x24	Flat x24	Spring M8 x24
			





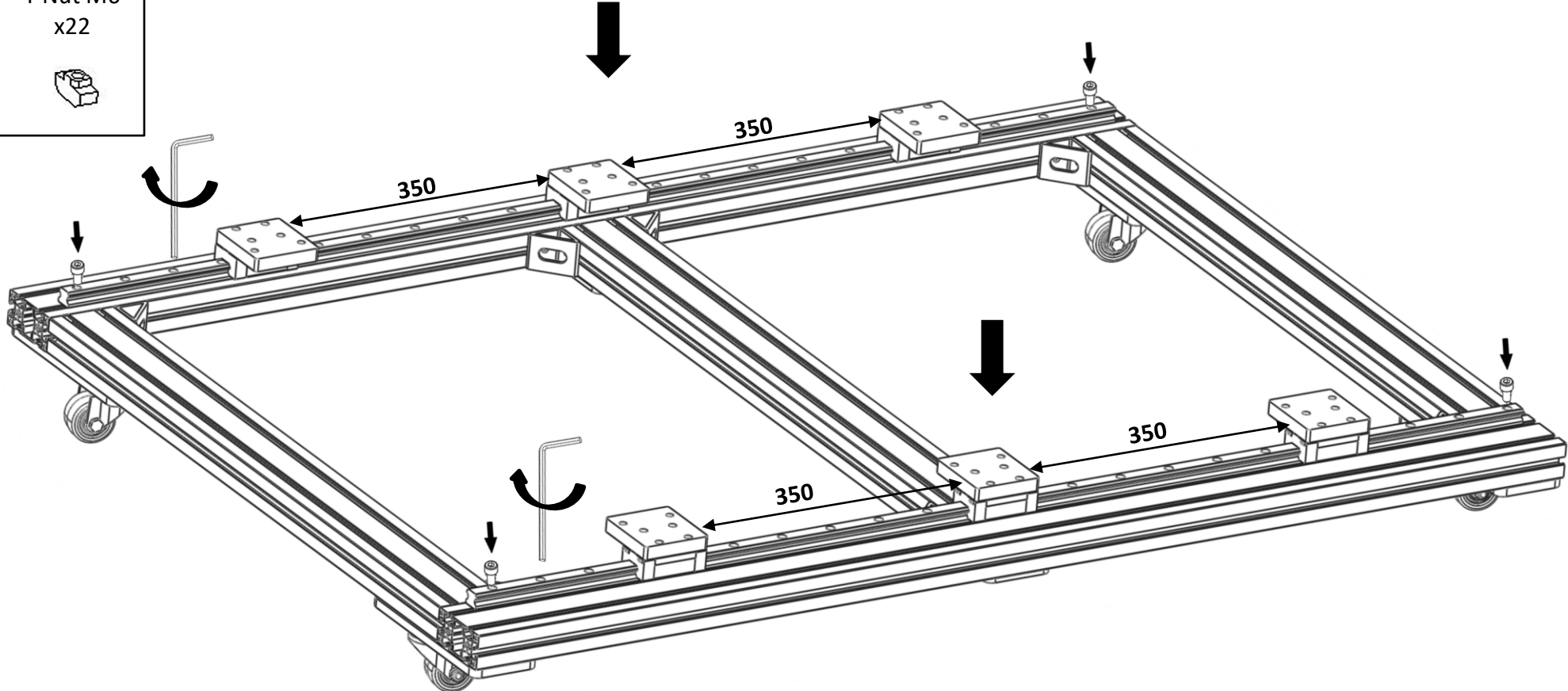
M6x16 x22	T Nut M6 x22
	







8

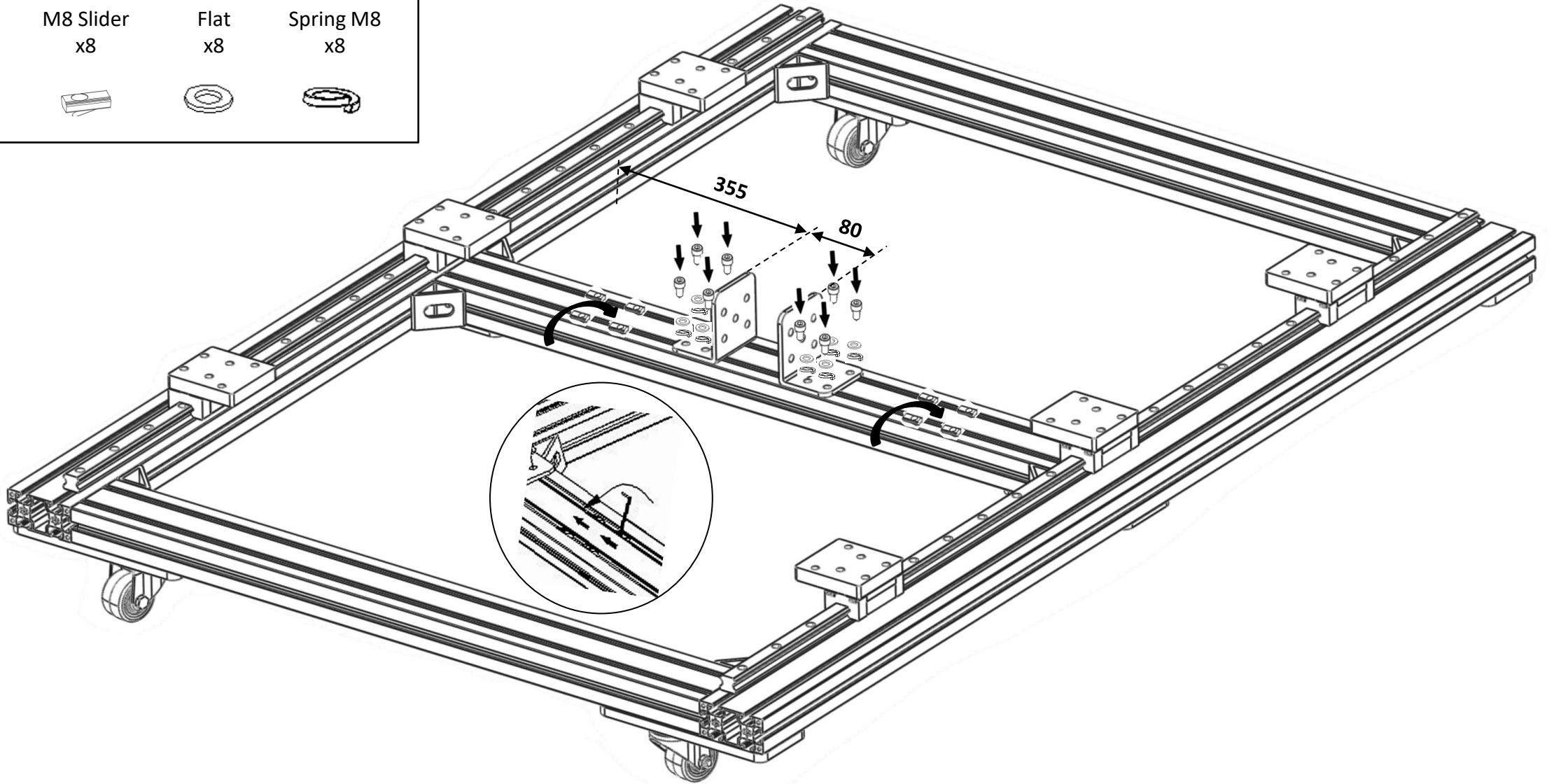
Linear Guide Rail Assembly 1300mm

M6x16 x22	T Nut M6 x22
	

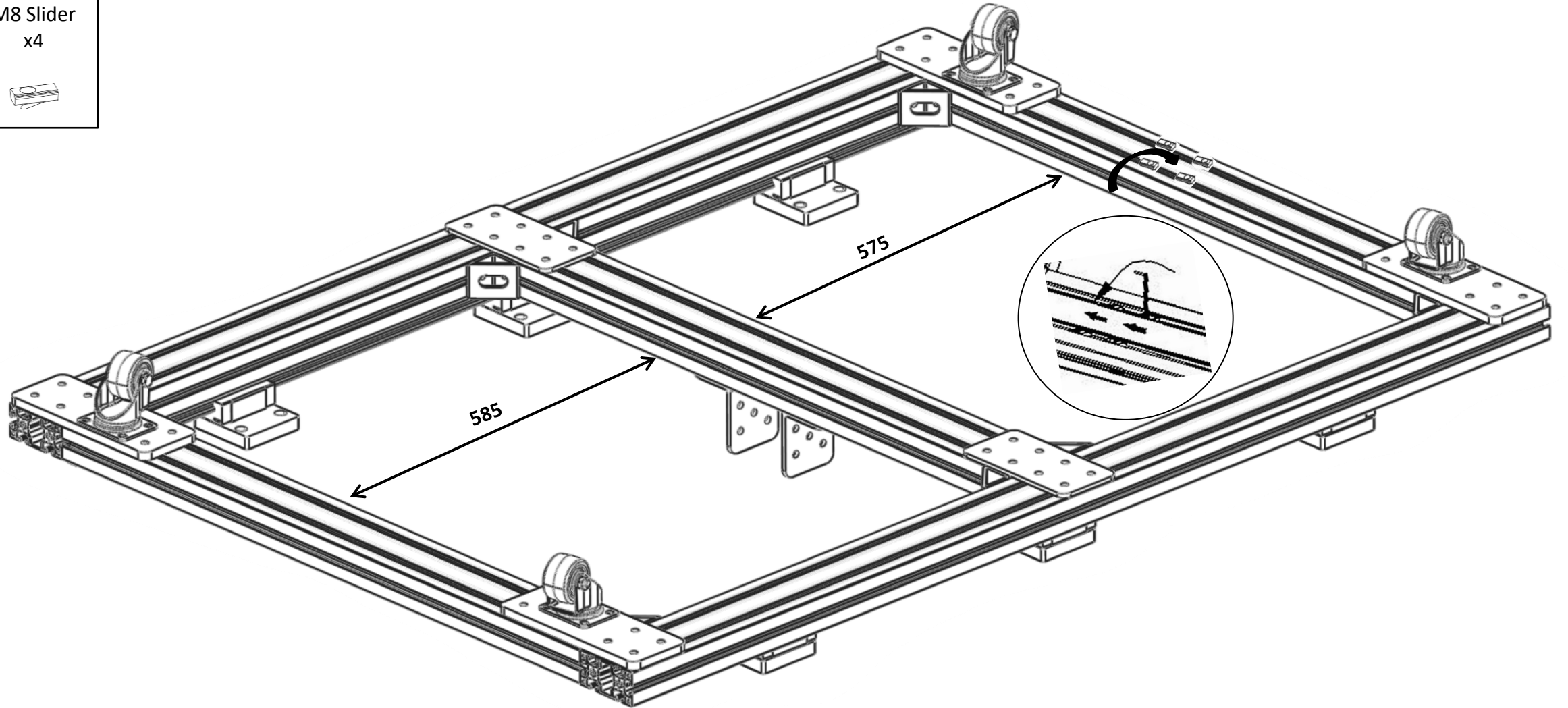






Install M8 screws at both ends of the rail **to prevent the carriage from sliding off.**

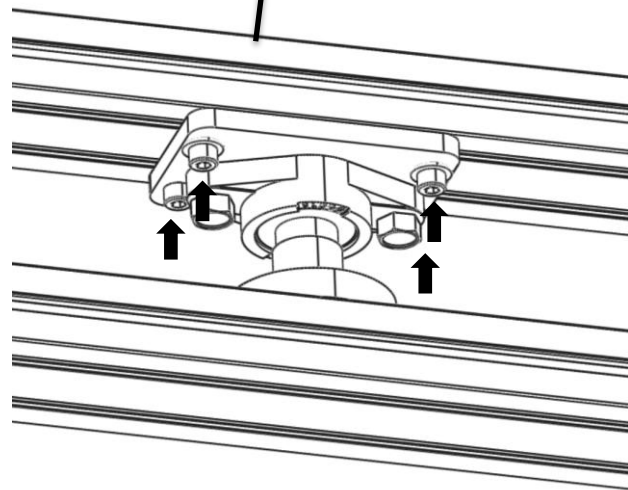
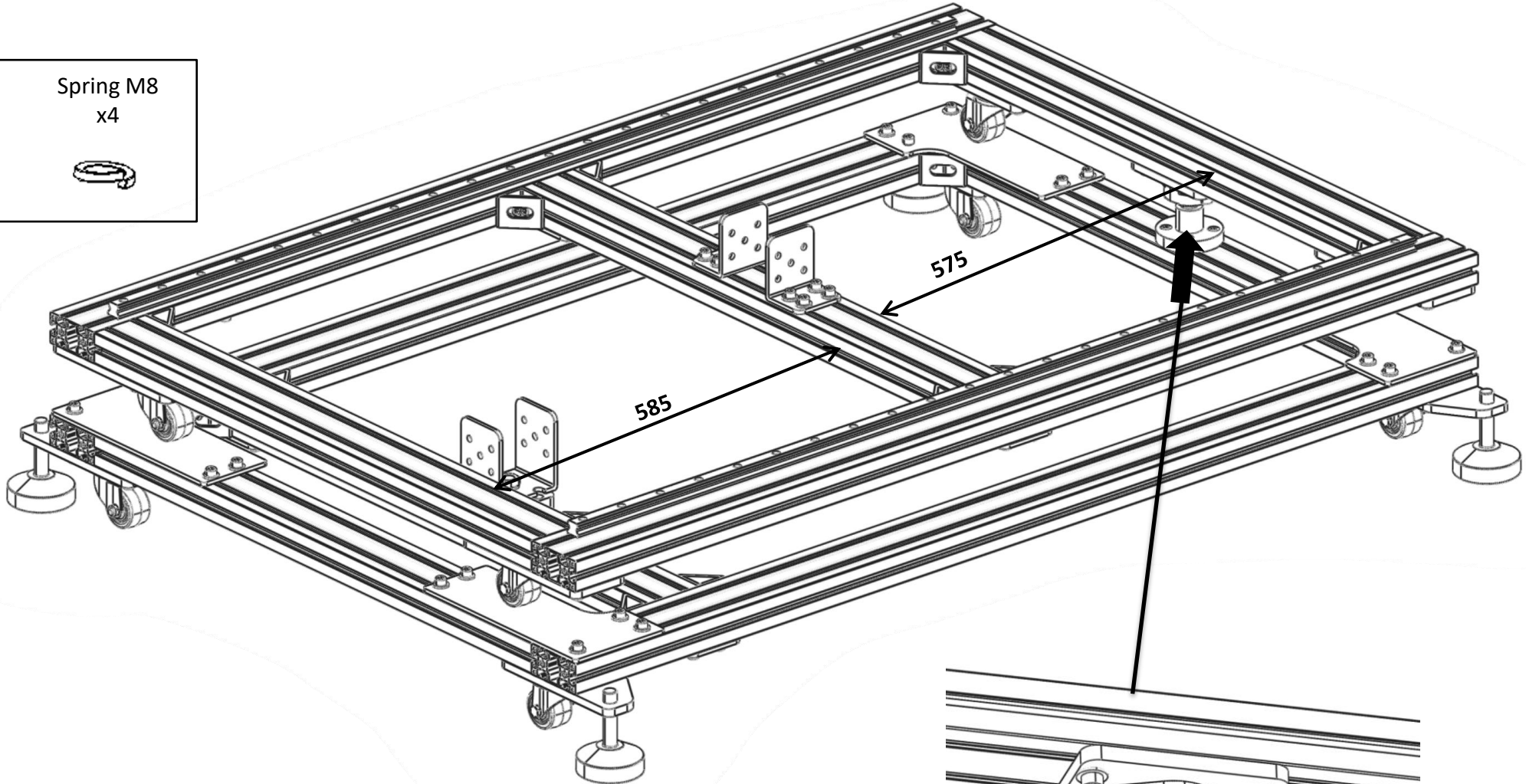
M8x16 x8	M8 Slider x8	Flat x8	Spring M8 x8
			





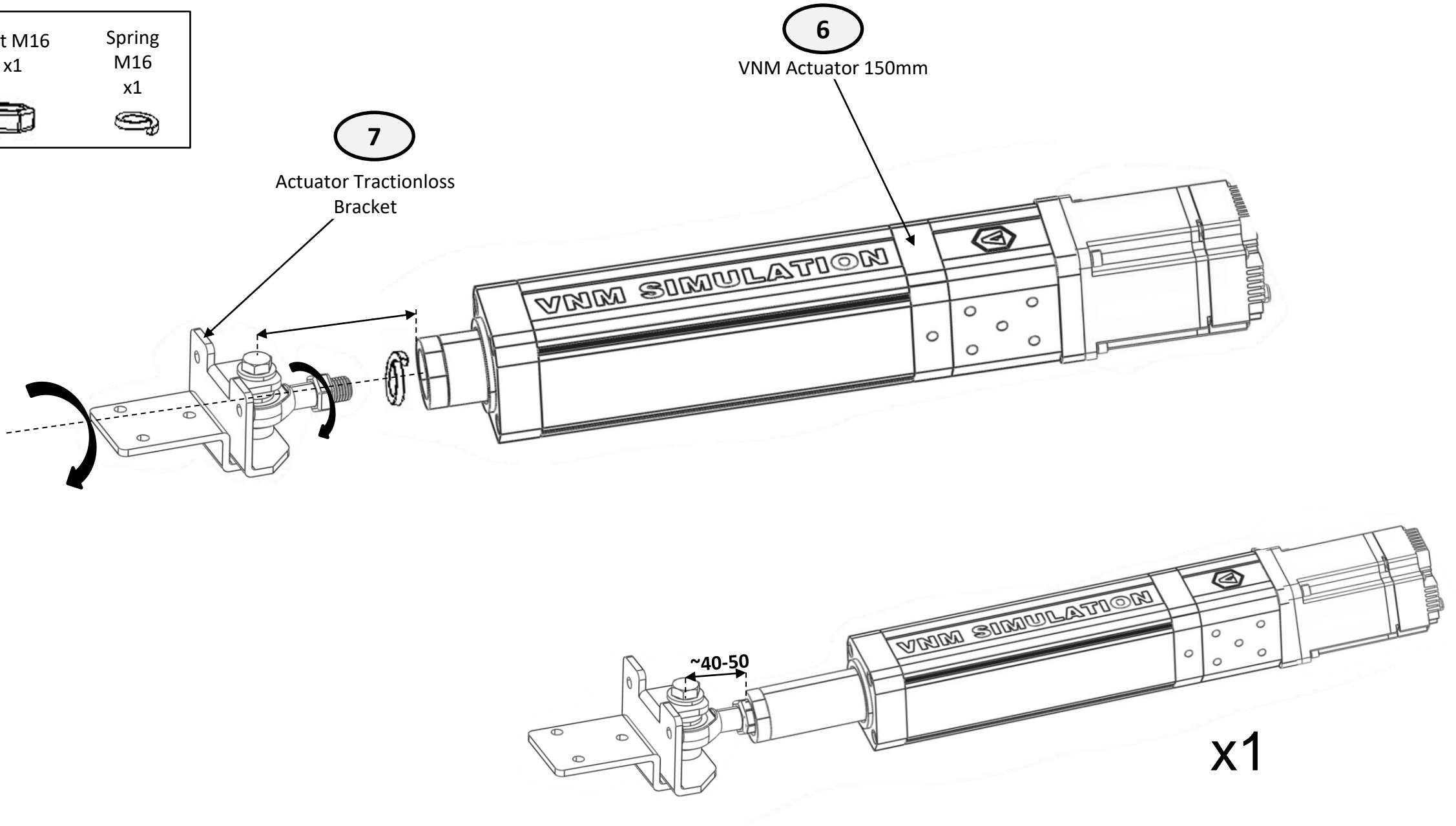
M8 Slider  
x4



M8x20 x4	Flat x4	Spring M8 x4
		



Nut M16 x1	Spring M16 x1
	



M8x16  
x5



M8 Slider  
x5



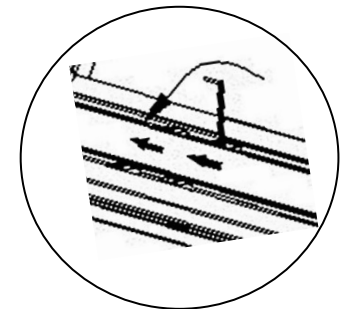
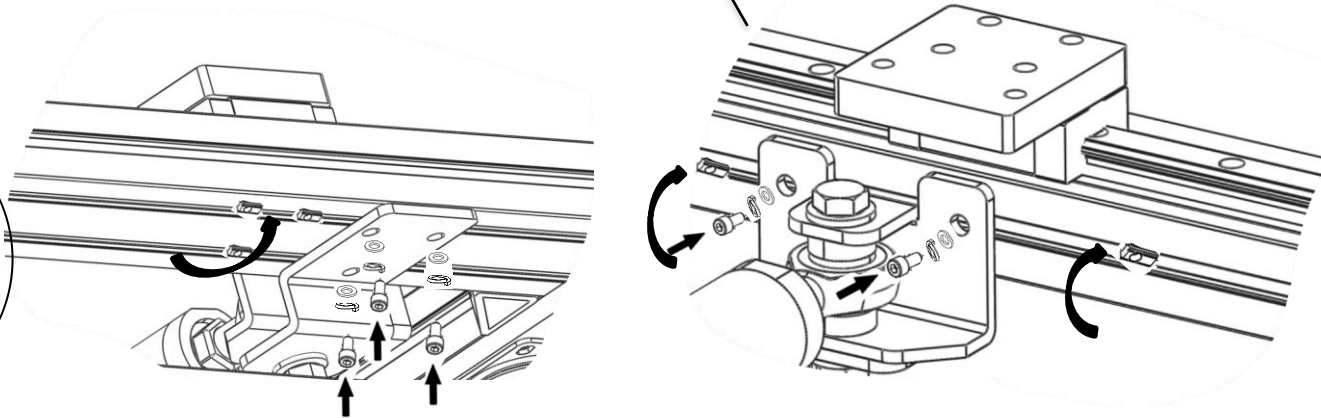
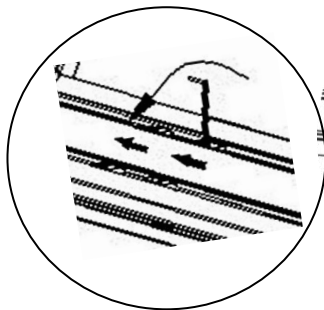
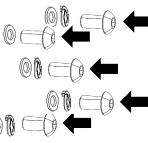
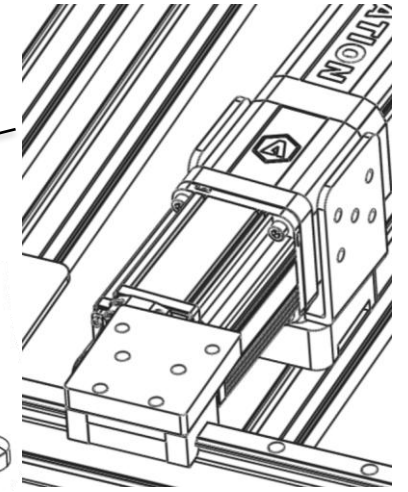
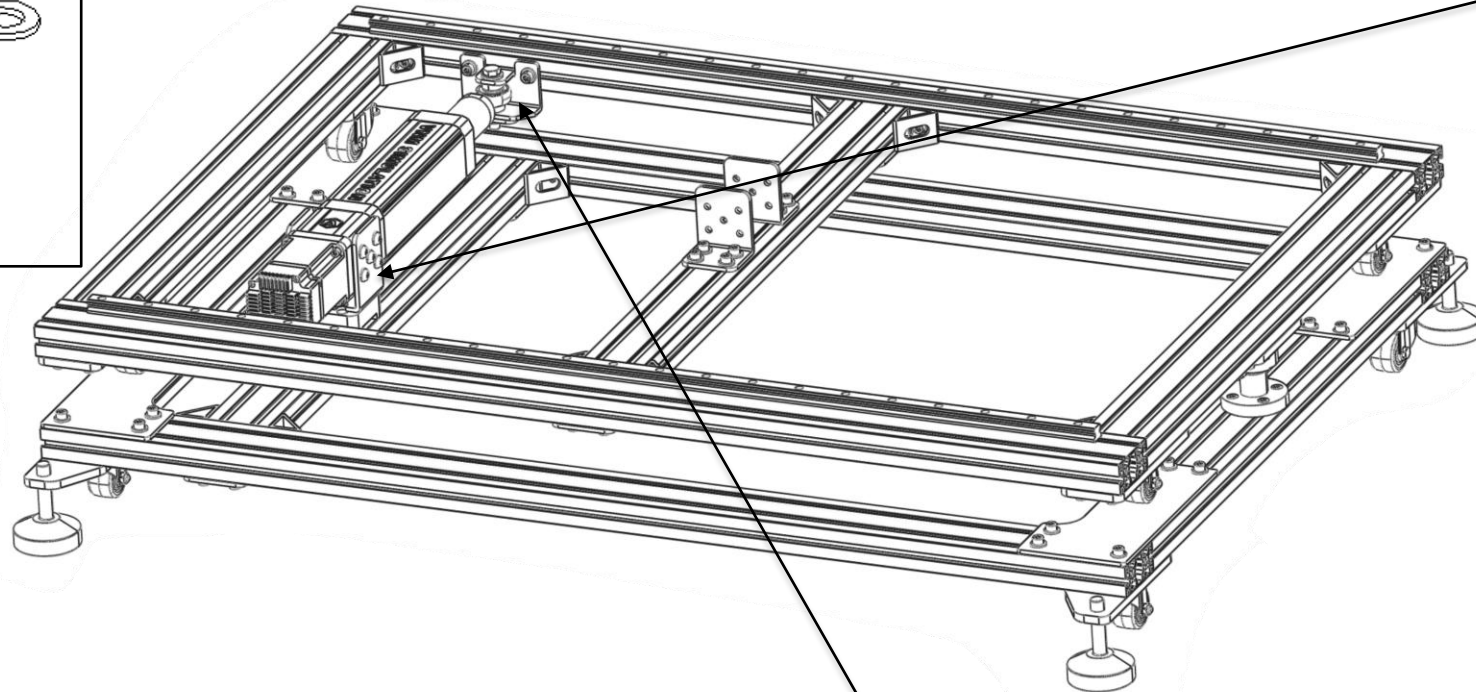
Flat  
x15






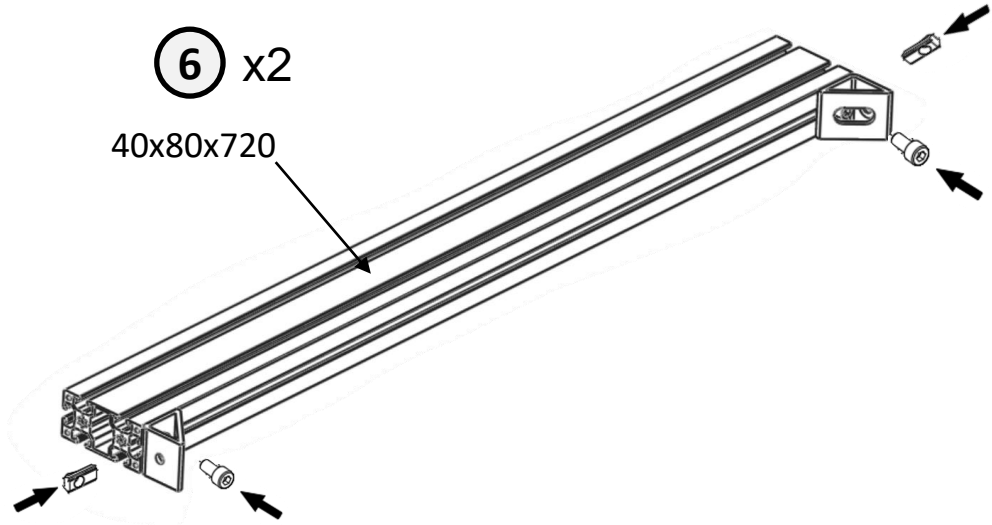
Spring M8  
x15

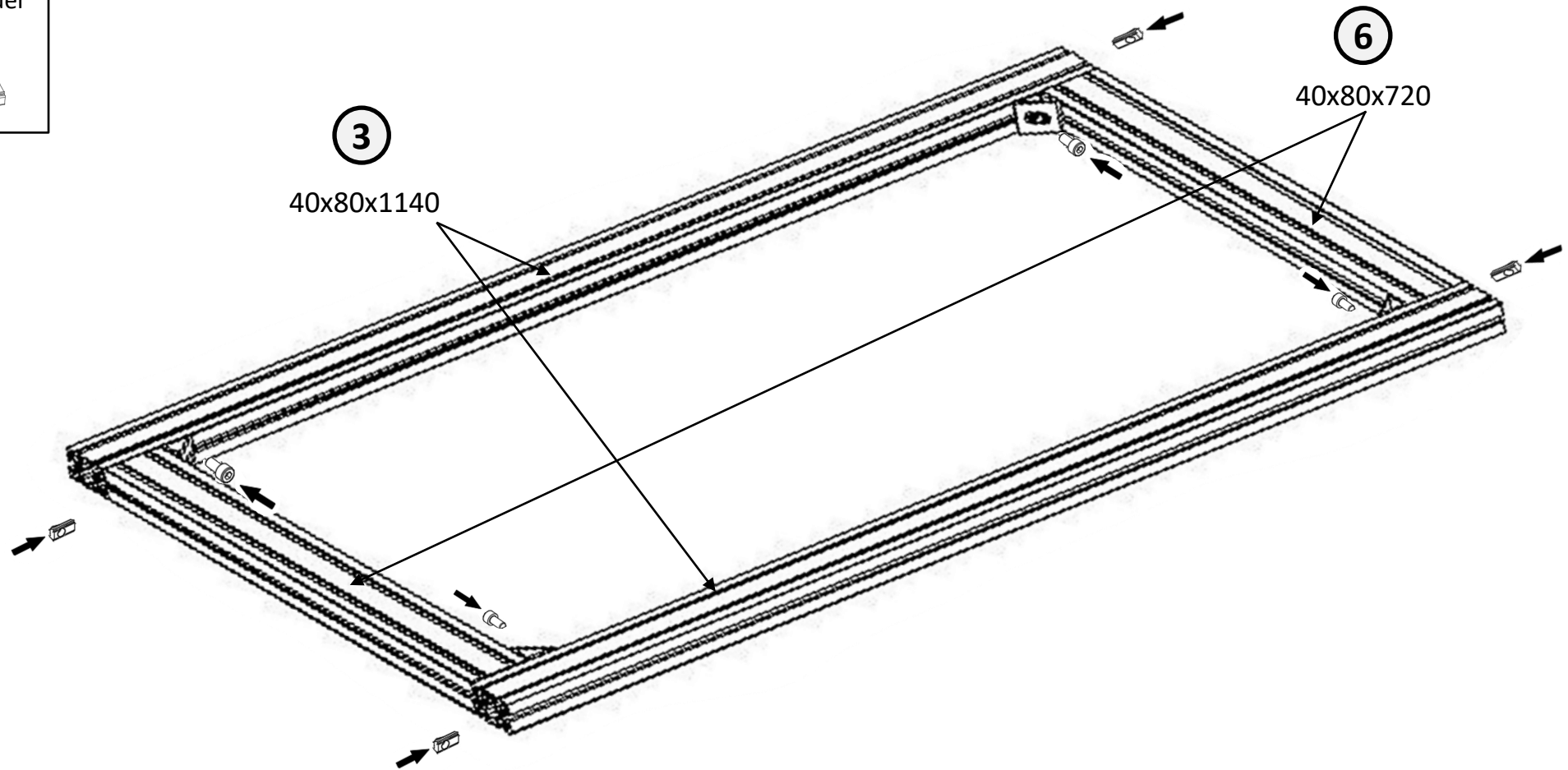
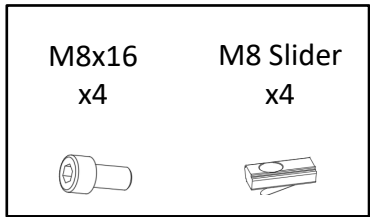


Mo M8x16  
x10



4040 Conner Alu x2	M8x16 x2	M8 Slider x2
		





M8x16  
x32



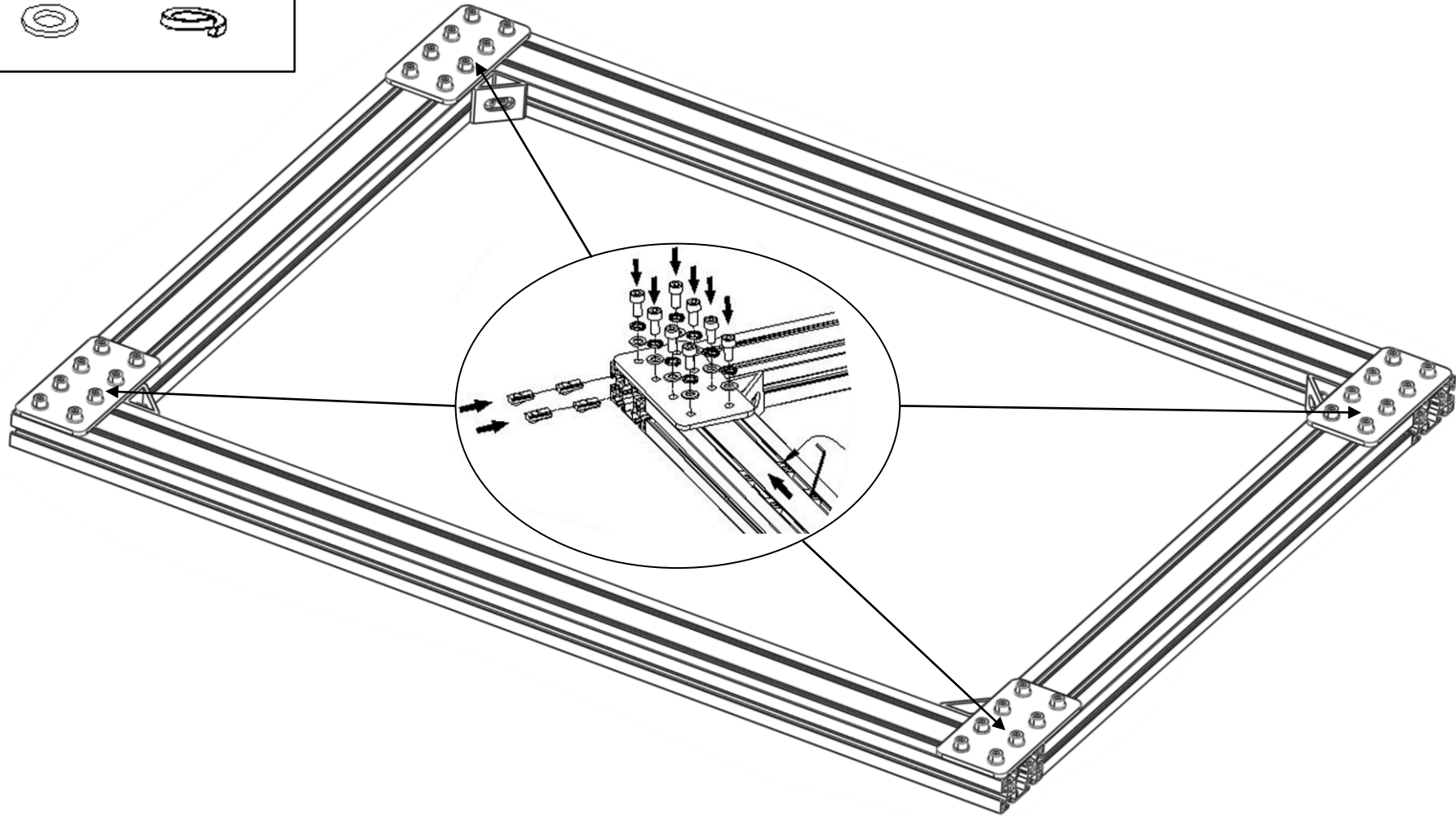
M8 Slider  
x32



Flat  
x32



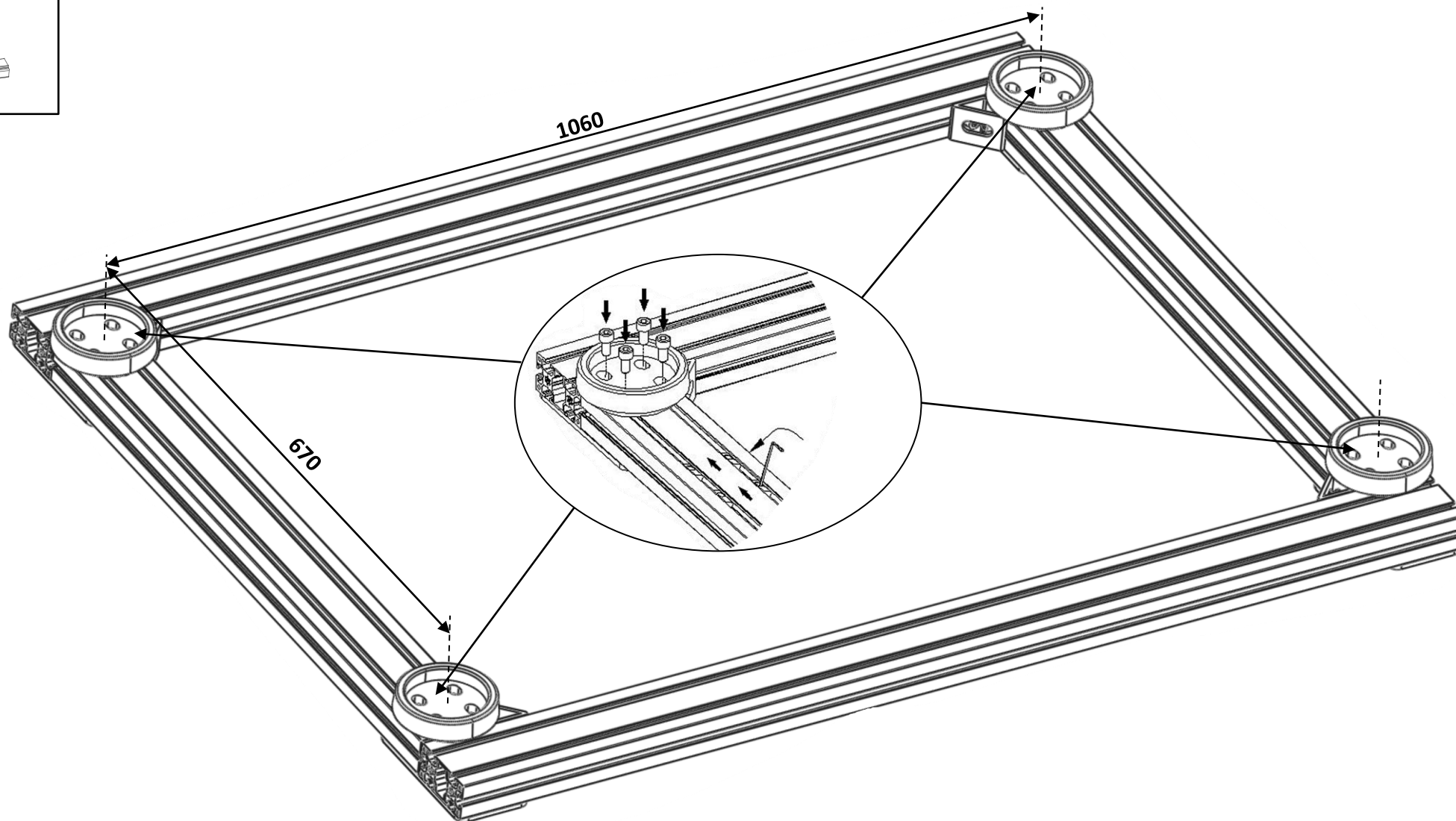
Spring M8  
x32



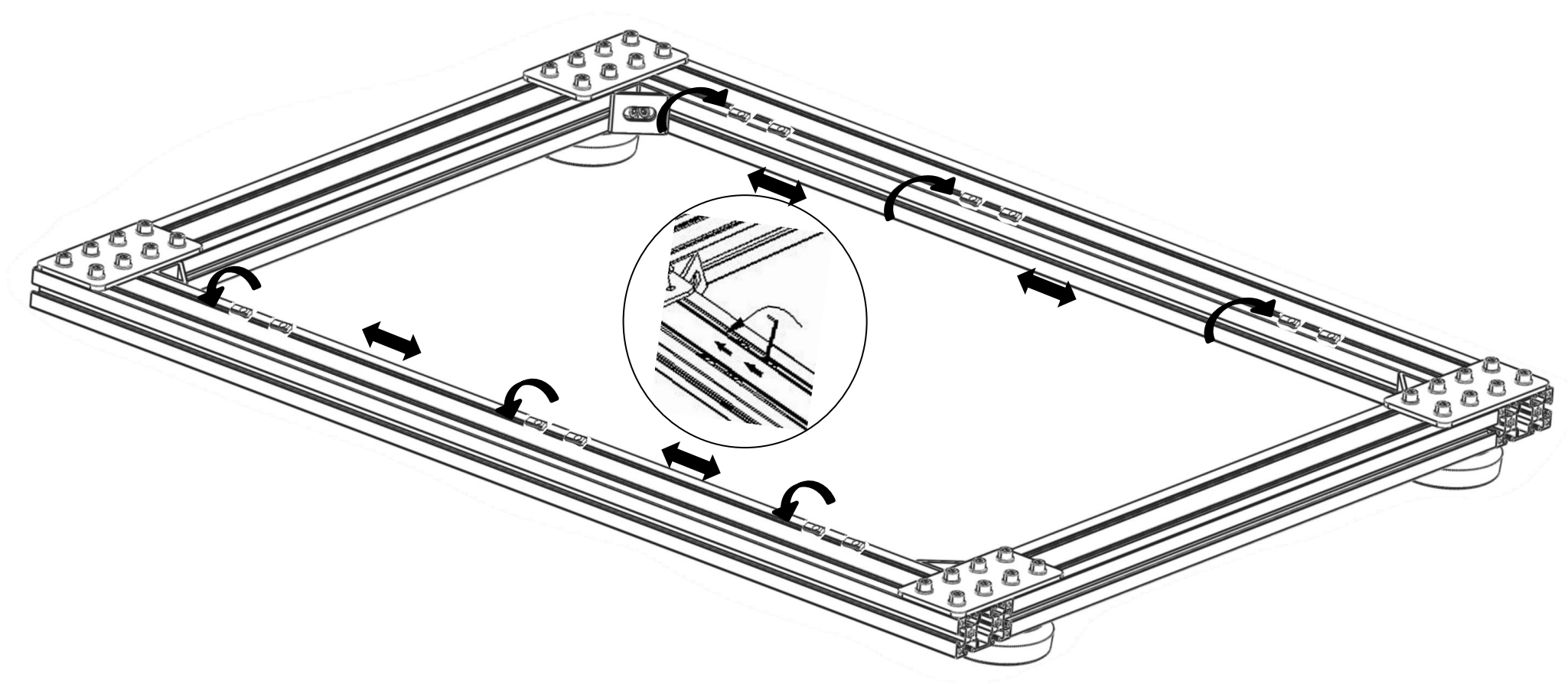
M8x16  
x16





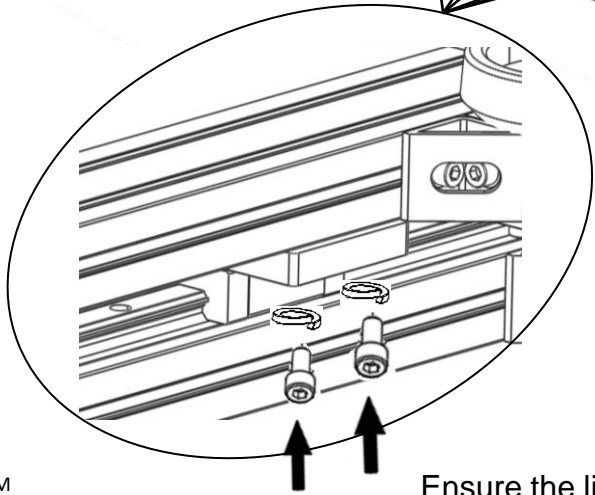
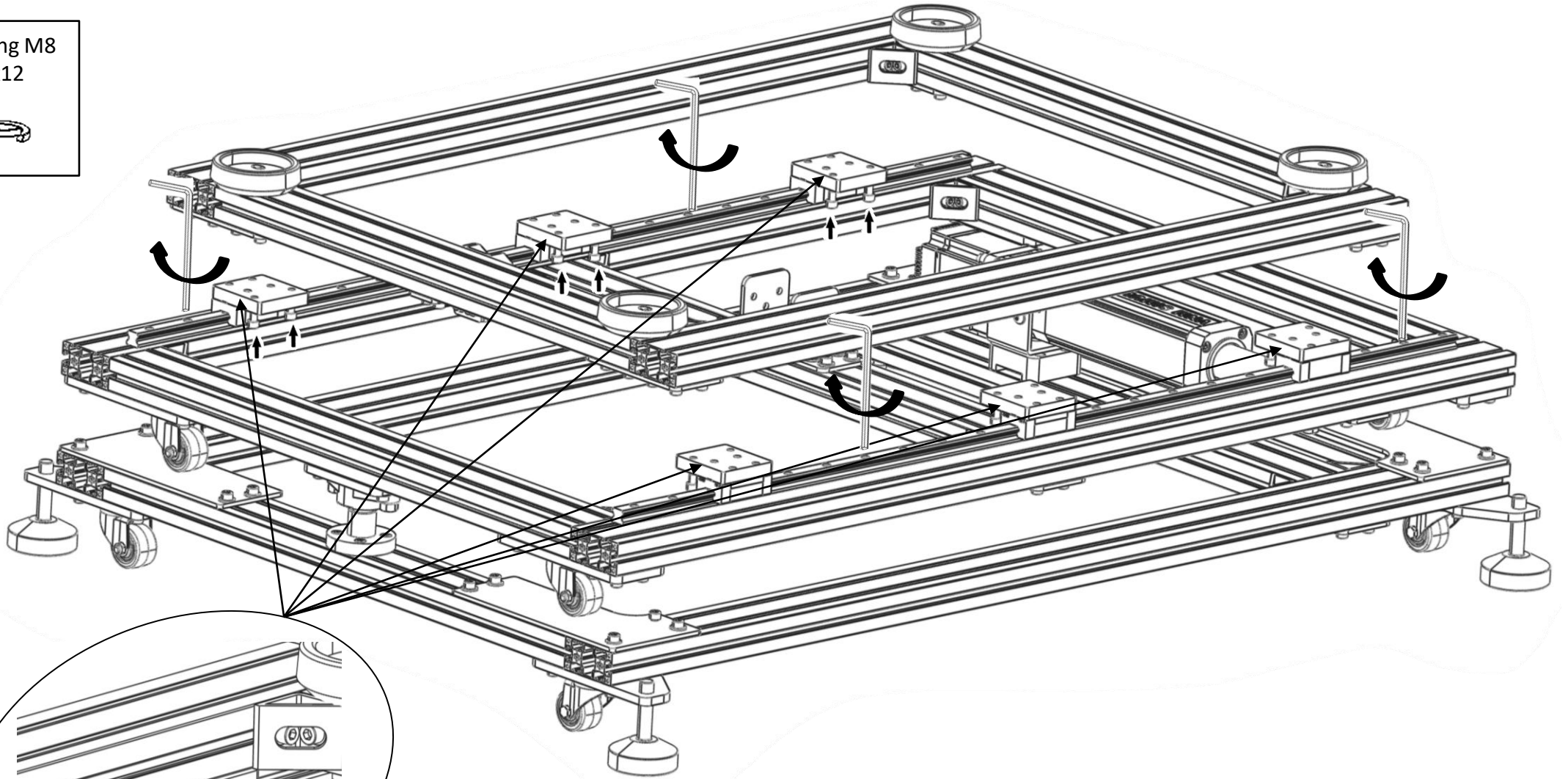
M8 Slider  
x16





M8 Slider  
x12

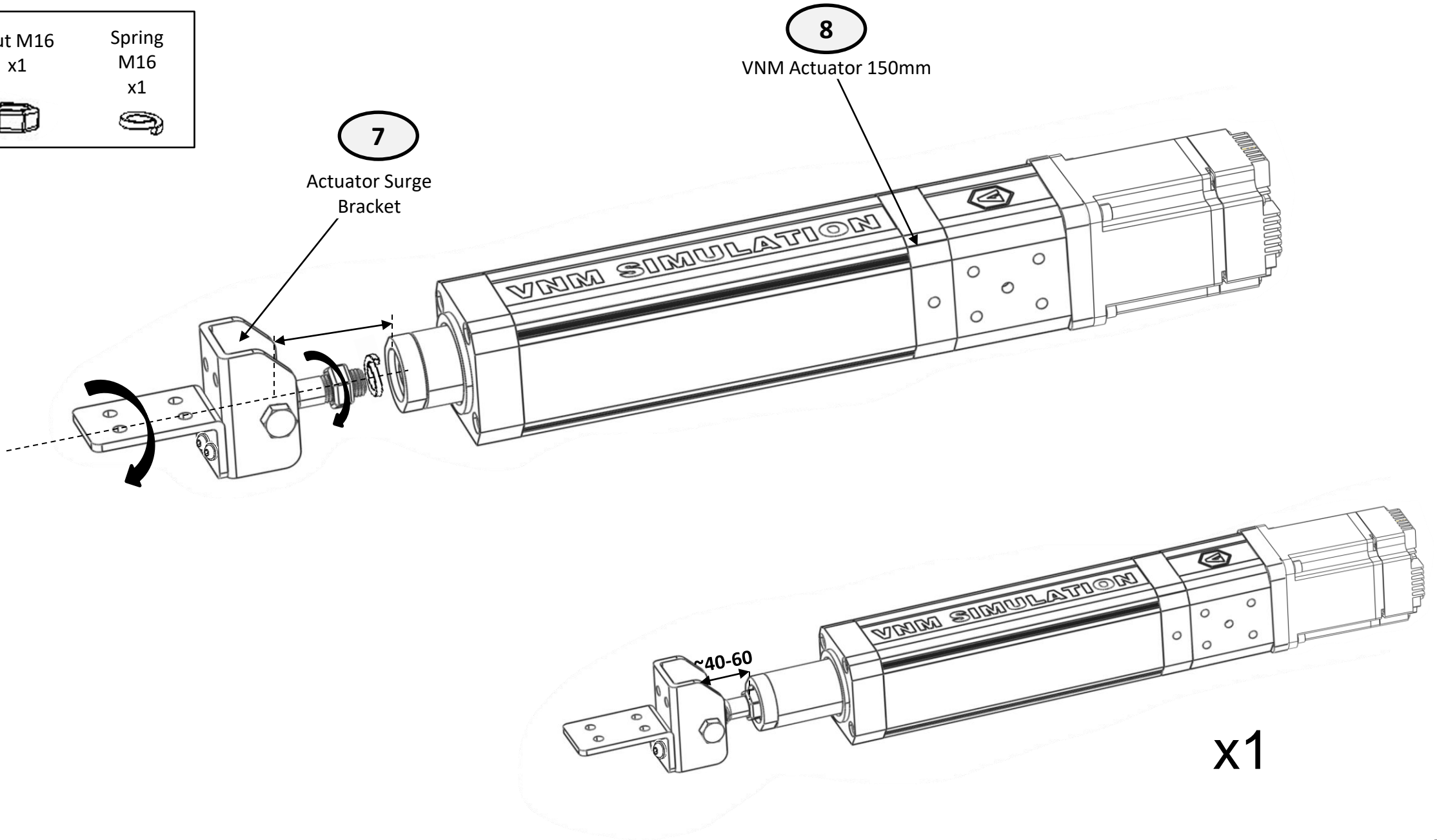






M8x16 x12	Spring M8 x12
	

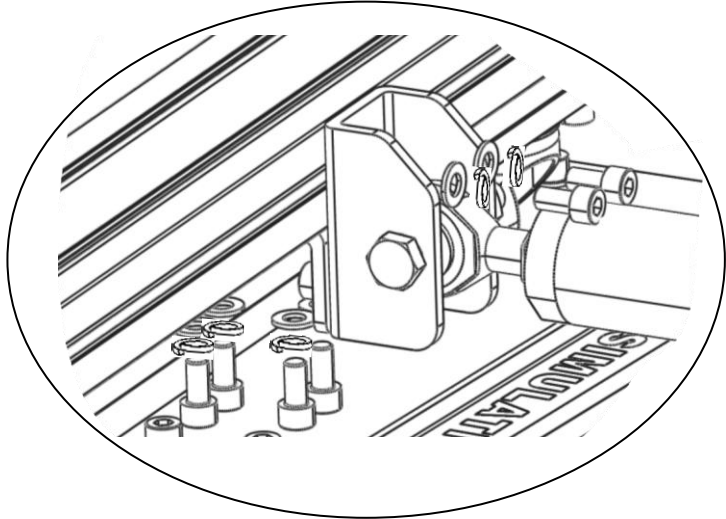
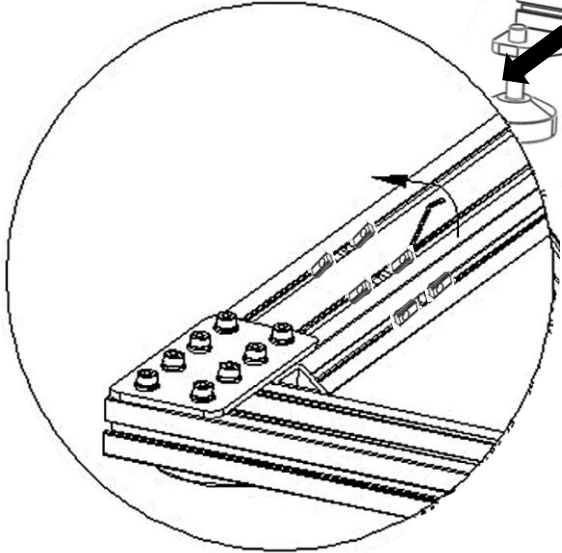
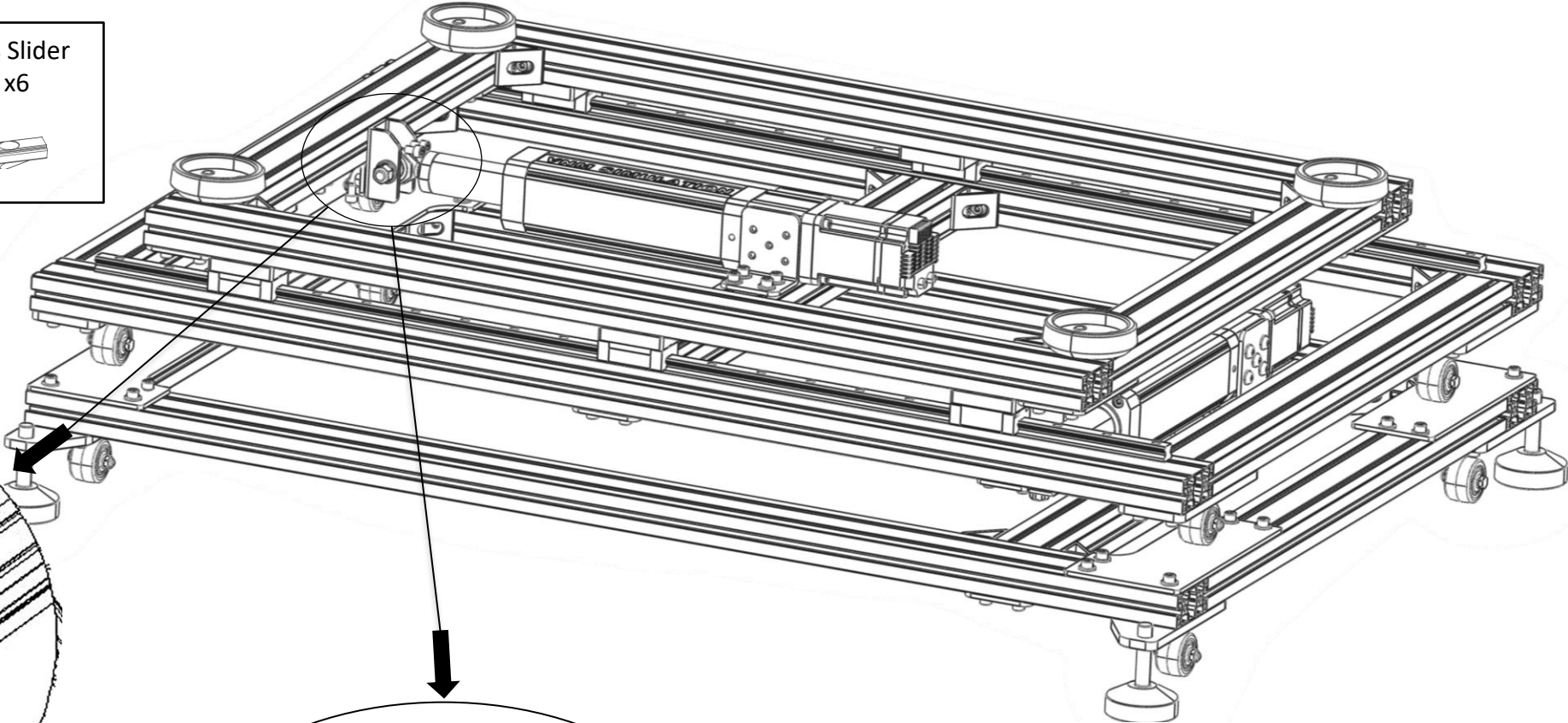


Ensure the linear rail and carriage **move smoothly**, then securely tighten all screws at this stage (M6x16 & M8x16).

Nut M16 x1	Spring M16 x1
	



M8x16 x6	Flat x6	Spring M8 x6	M8 Slider x6
			



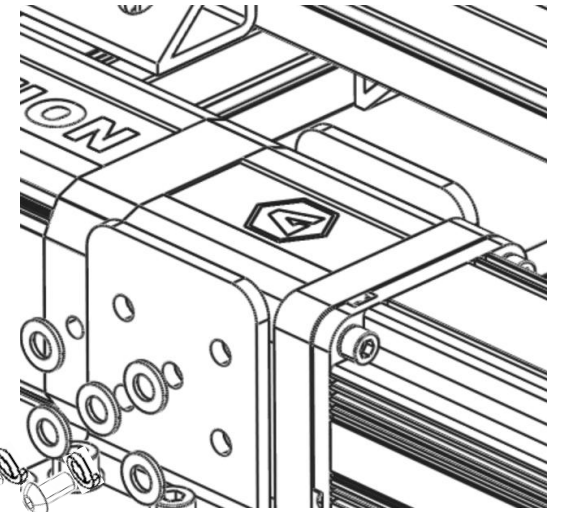
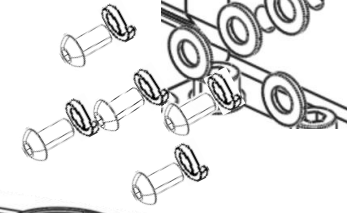
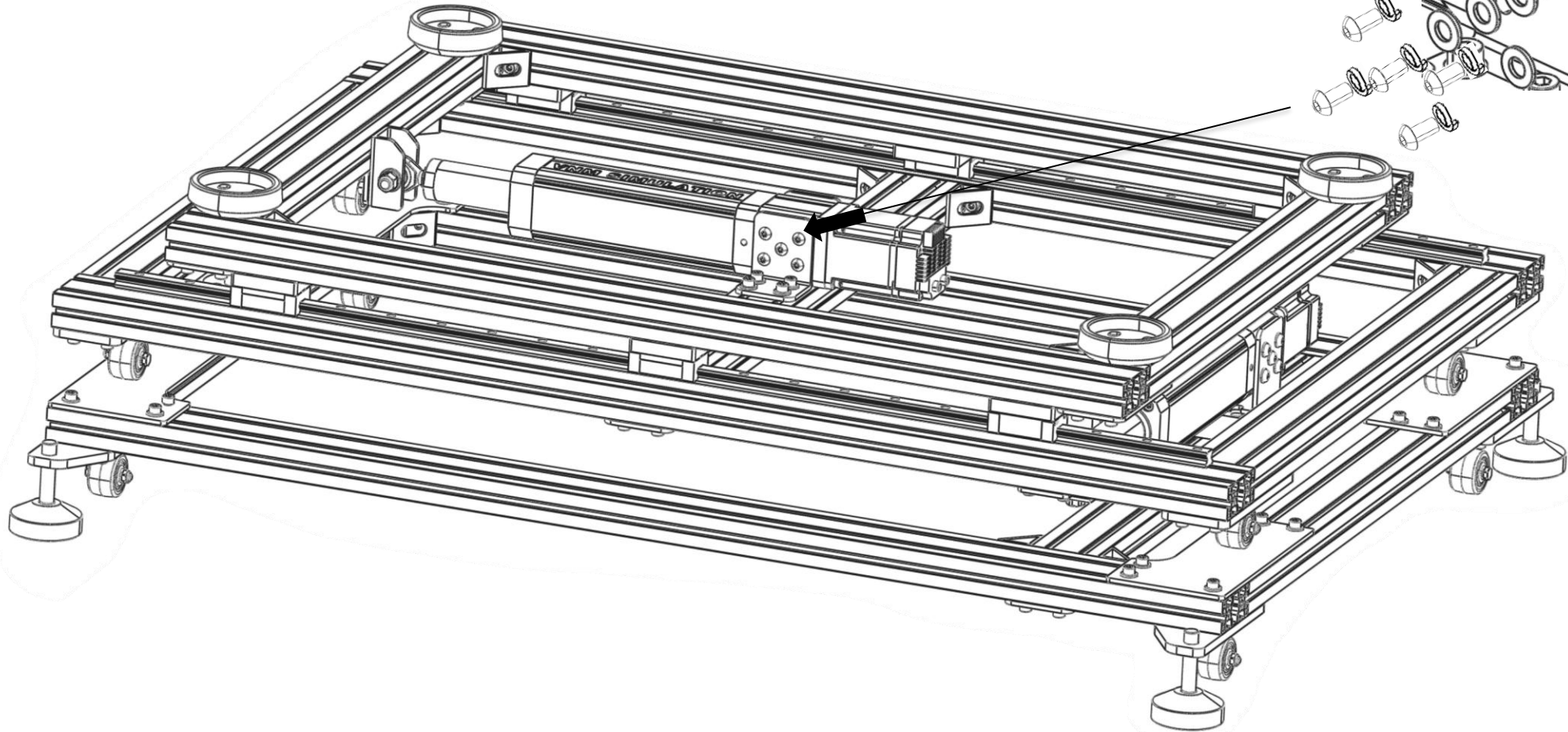
Spring M8  
x10



Mo M8x16  
x10

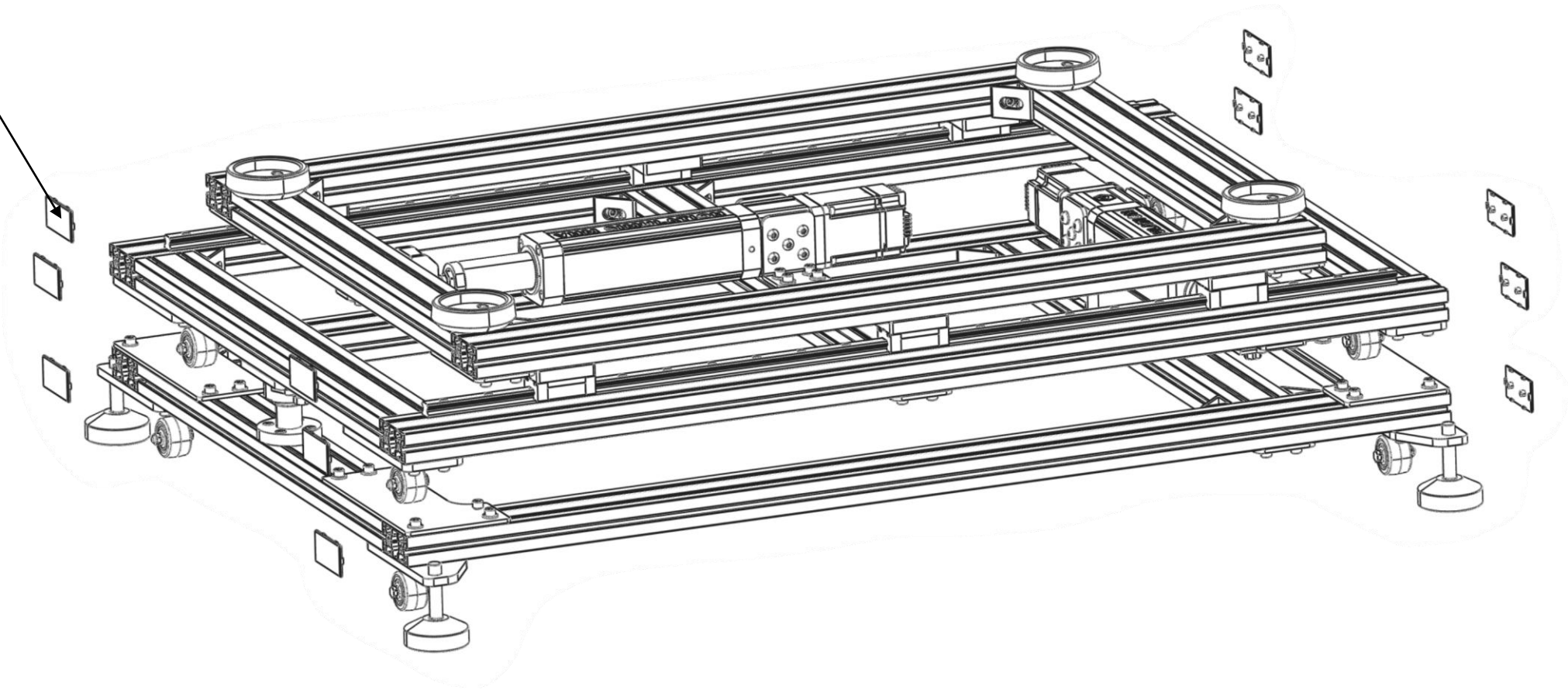


Flat  
x10

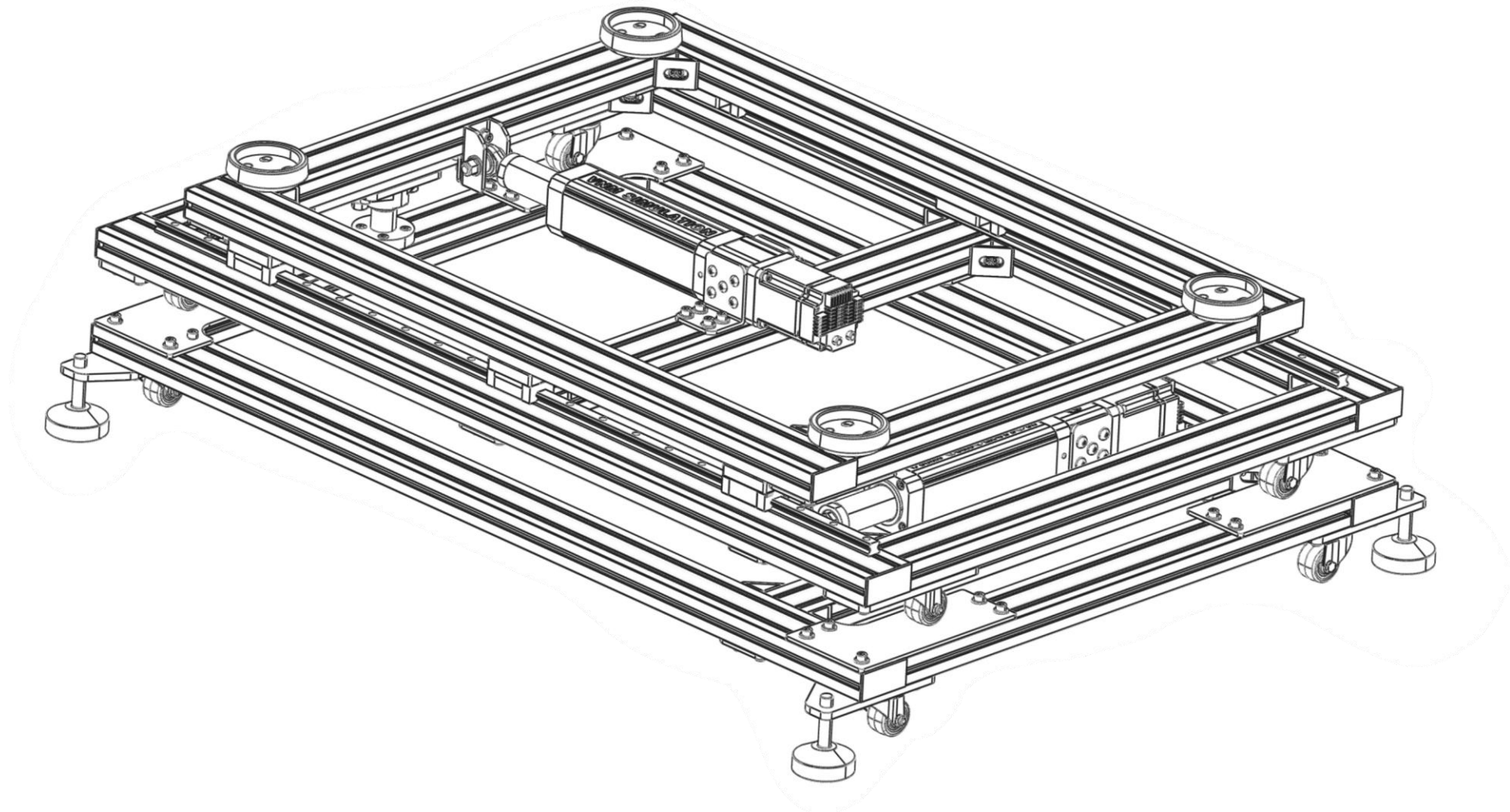


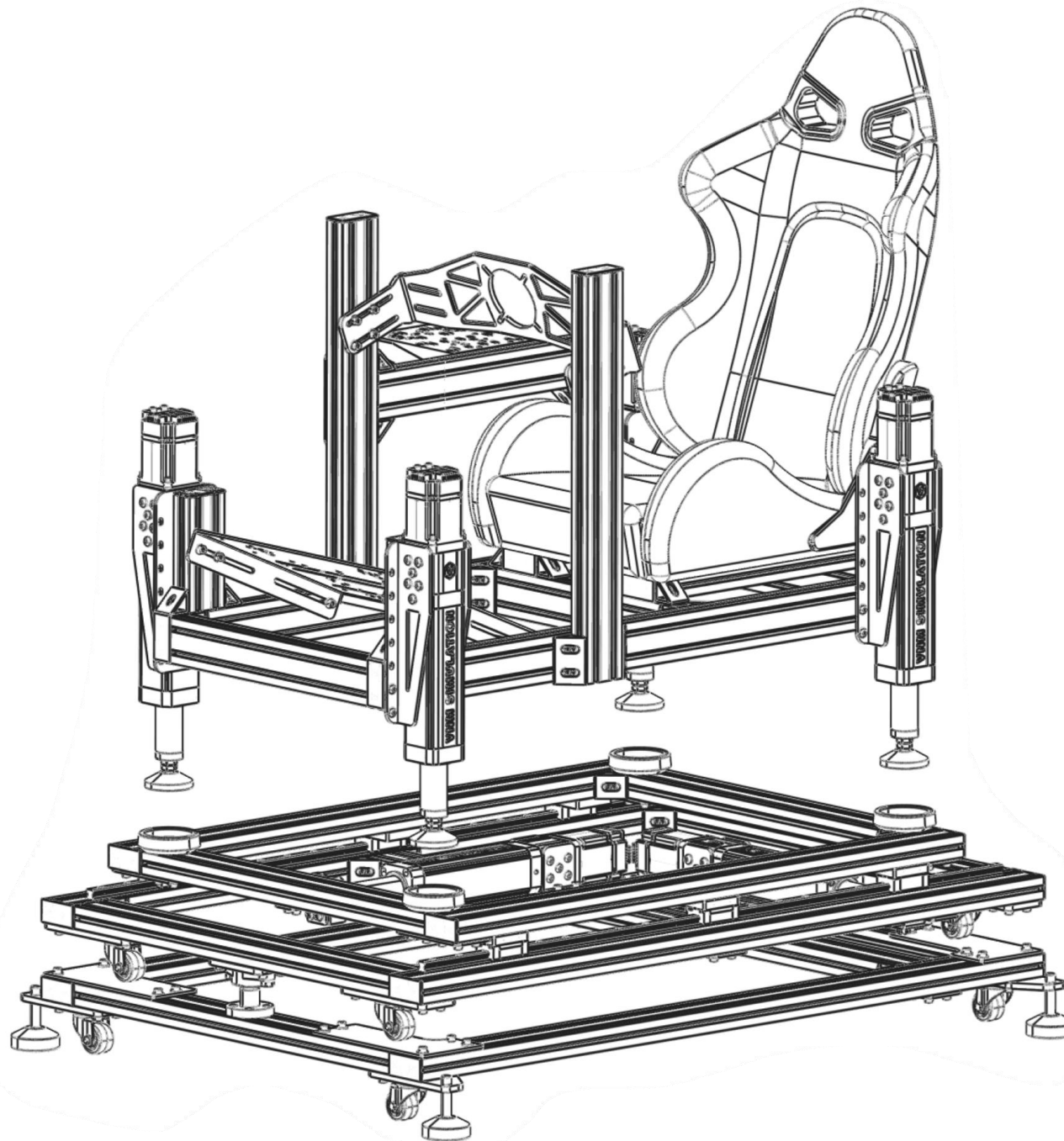


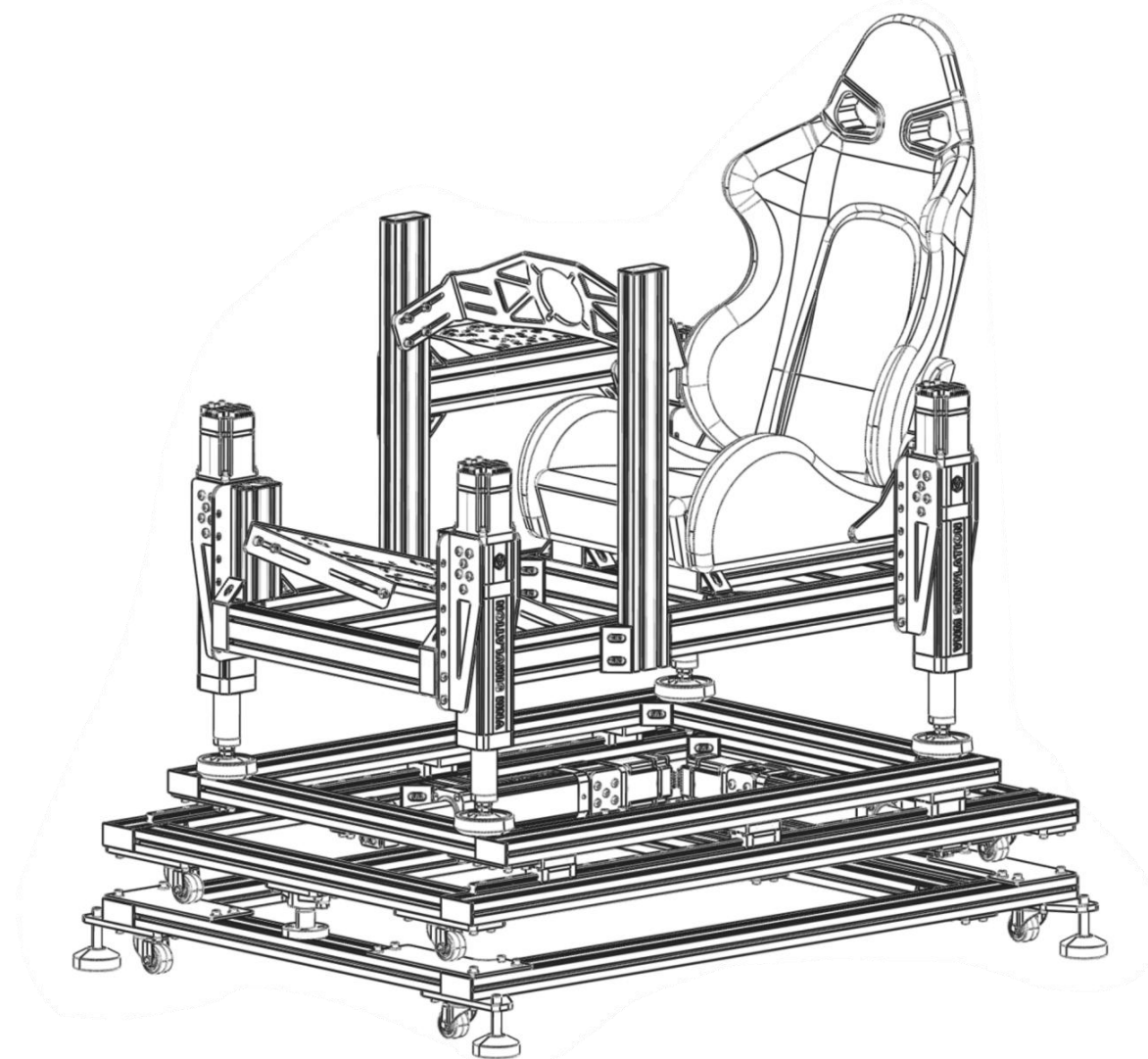
**20**  
Alu Cover



# Installation guide VNM Surge & TL Platform







*“Congratulations on completing your rig assembly.  
If you have any questions or encounter any problems, please contact us for support!”*