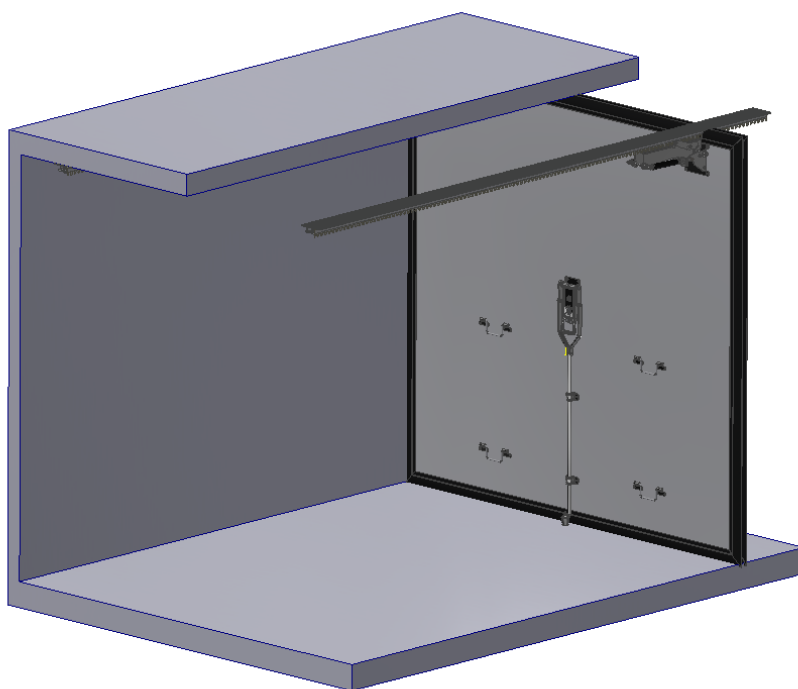


ENGLISH



The required configuration of this lifting system has been defined based on the height and weight of the partition wall. Please refer to the following graph which shows the required configuration according to the parameters shown.

		Weight (kg)											
		40	45	50	55	60	65	70	75	80	85	90	100
Height (mm)	3000	3	4	5	5								
	2900	3	4	4	5								
	2800	3	3	4	5	5							
	2700	3	3	4	4	5	5						
	2600	2	3	4	4	5	5						
	2500	2	2	3	4	4	5						
	2400	2	2	3	4	4	5	5					
	2300	2	2	3	3	4	5	5	5				
	2200	2	2	2	3	4	4	5	5	5			
	2100	1	2	2	3	3	4	4	5	5			
	2000	1	2	2	2	3	4	4	5	5	5		

Quantity of gas springs per lifting arm	
1	1 gas spring 2000 N
2	2 gas springs of 1300 N
3	2 gas springs of 1500 N
4	2 gas springs of 1700 N
5	2 gas springs of 2000 N



**** This model is not compatible with areas highlighted in grey**

1. POSITION OF THE PARTS

Establish the position of the rails in relation with the center of the box of the vehicle. For this we establish the dimension D1, which will be the same for fixing the aluminum rails in the roof and to the partition wall.

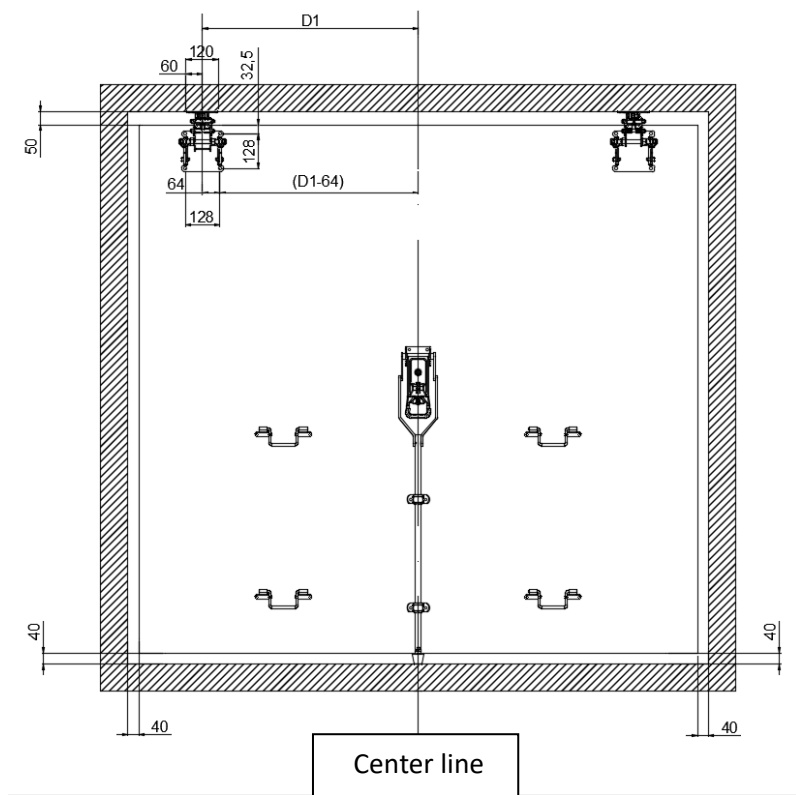
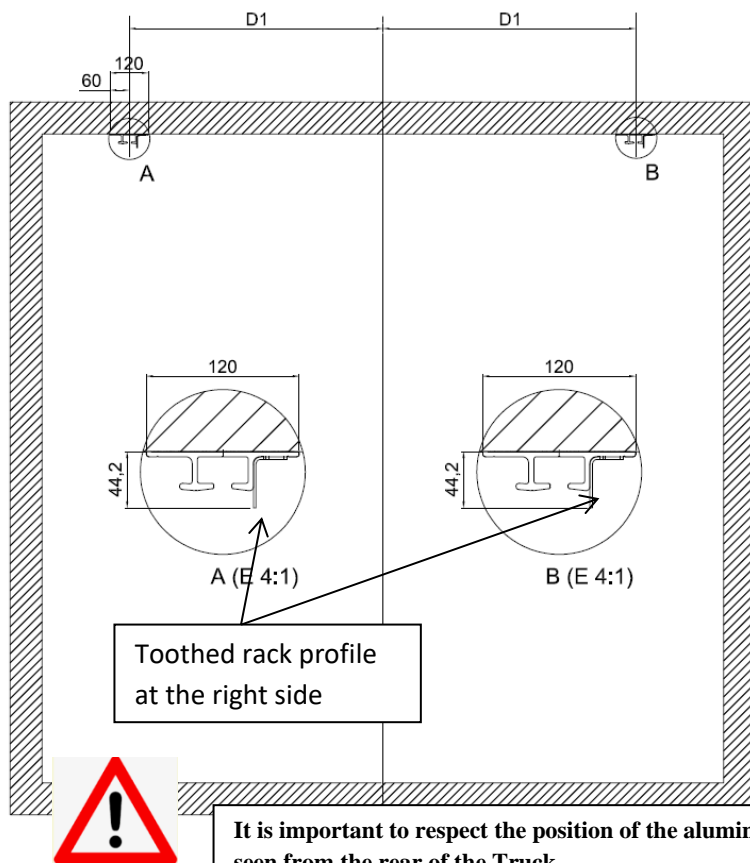


Fig. 1

Overall dimensions

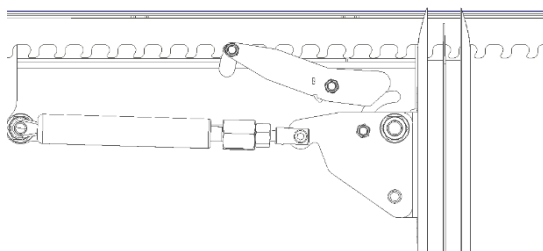
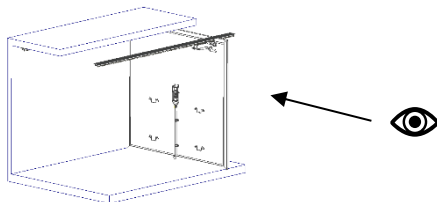


It is important to respect the position of the aluminum rails seen from the rear of the Truck.
Make sure the aluminum rail is on the right side seen from the rear of the truck.

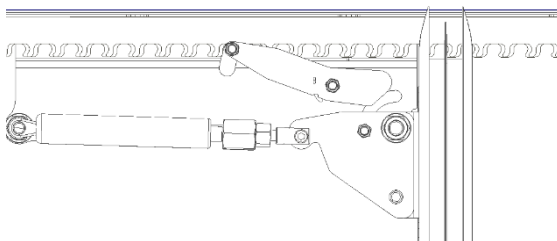
Fig. 2



The racks must be perfectly aligned so the teeth of both racks coincide in the same position.



Well-placed racks



Incorrectly positioned racks. The two racks are misaligned.

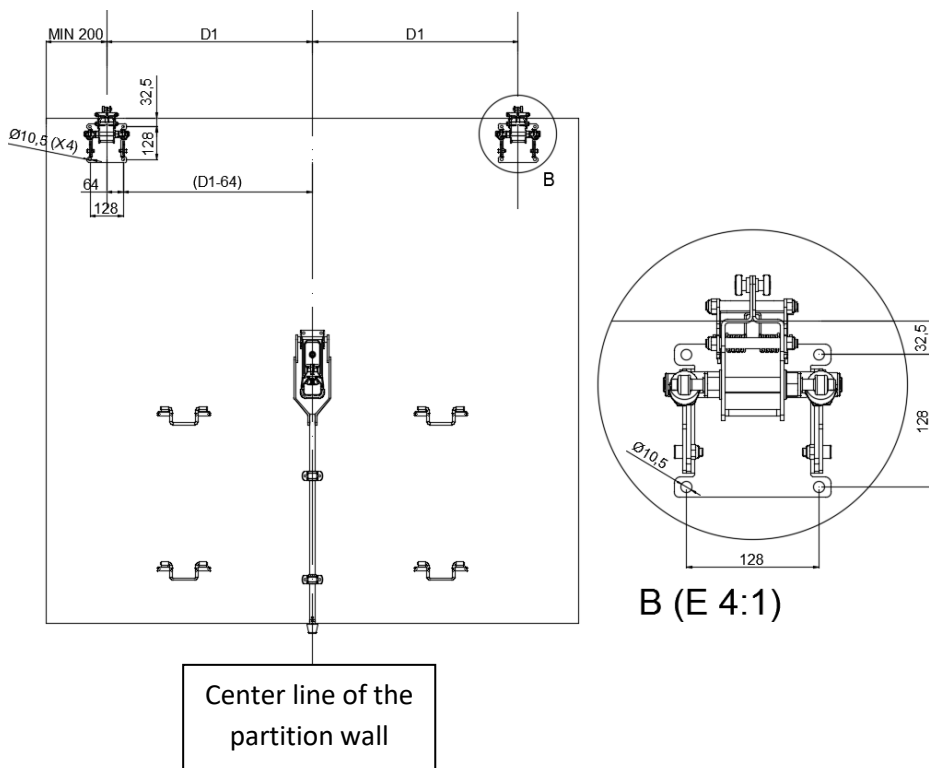


Fig. 3

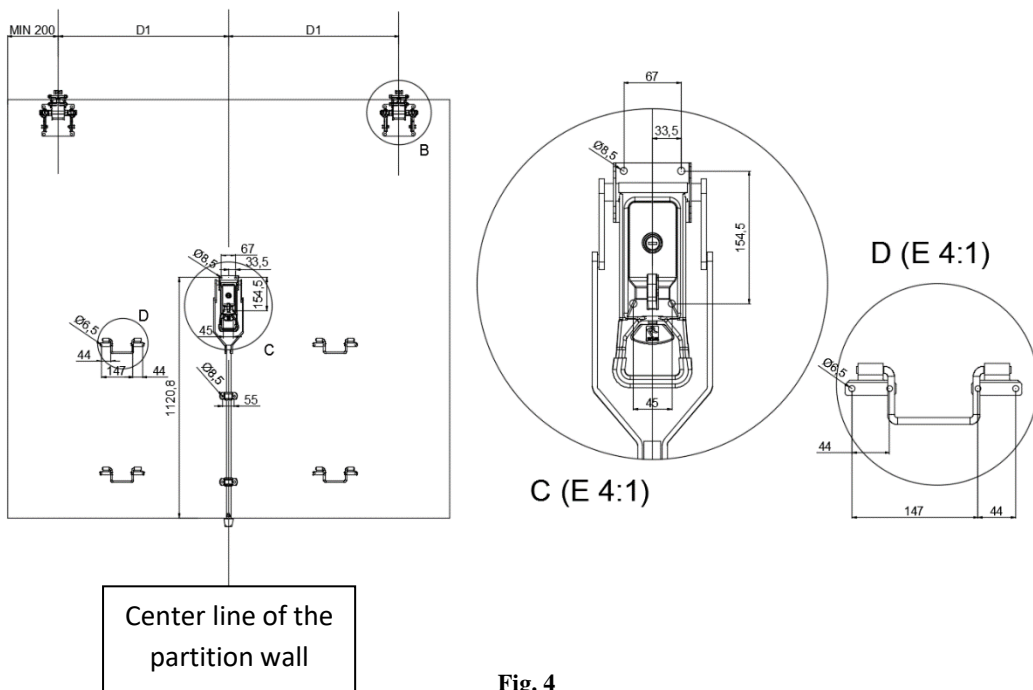


Fig. 4

Floor locking system and handles installation

2. COMPONENTS INSTALLATION

A. ALUMINUM RAIL

First, put together the toothed rack profile and the aluminum rail with adhesive suitable for metal-metal (**MRF** recommends the use of “**3M - 360 Hybrid**”)

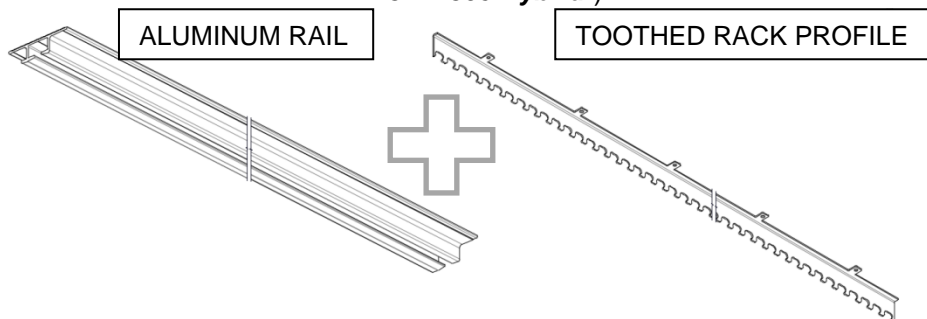


Fig. 5

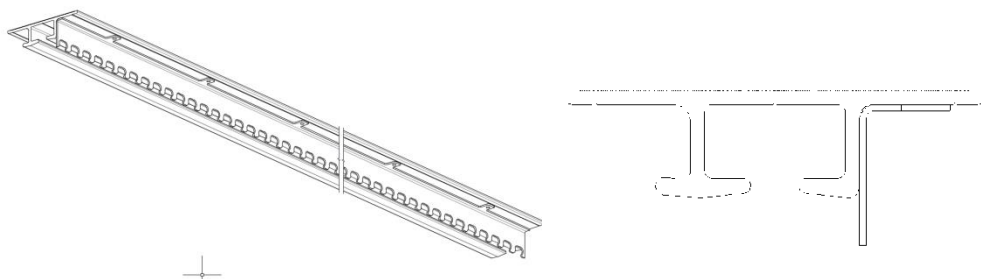
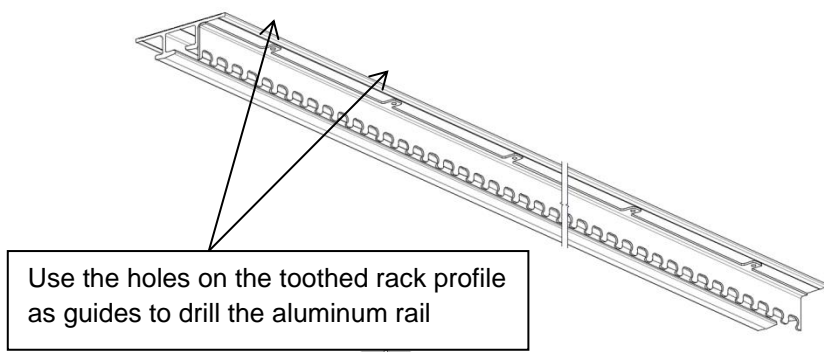
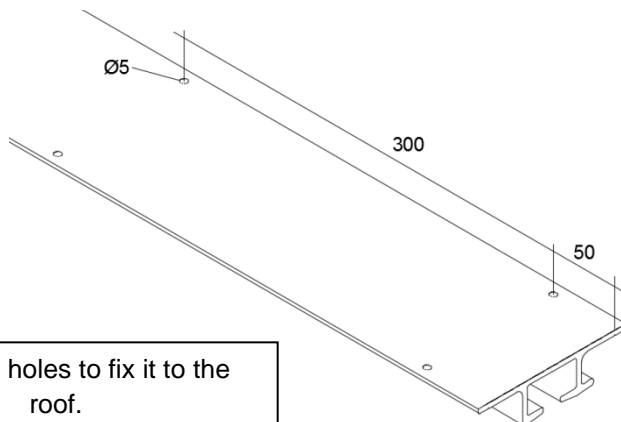


Fig. 6

Next step is to drill holes along the rail to fix the toothed rack profile to the aluminum rail and the assembled set to the roof.

**Fig. 7****Fig. 8**

Apply the **"360 Hybrid" de 3M** adhesive in the upper stripped part. It is convenient to apply the adhesive by zig-zagging. Stick the rail to the roof in its correct position then rivet it using aluminum rivets Ø5 mm

MRF recommends the following procedure for chemical fixation:

- Clean both surfaces (ceiling and rail) with **"AP 596" 3M adhesion promoter**.
- Apply the **"360 Hybrid" 3M adhesive by zig-zagging on all surfaces**.
- Wait at least 48 hours for the adhesive to cure.

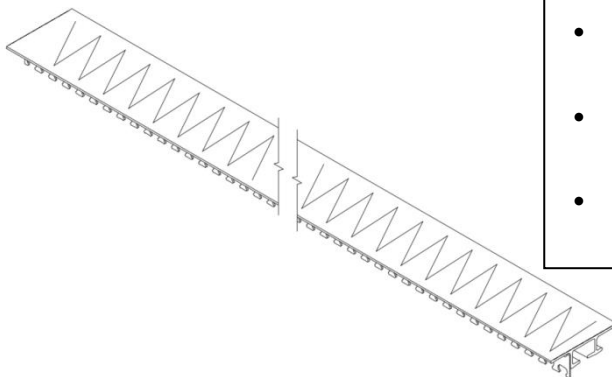
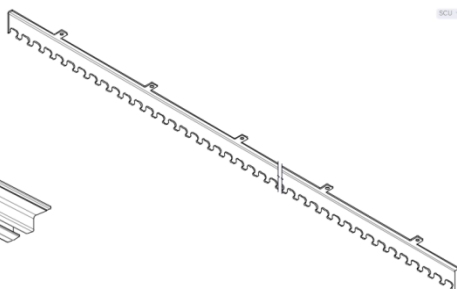
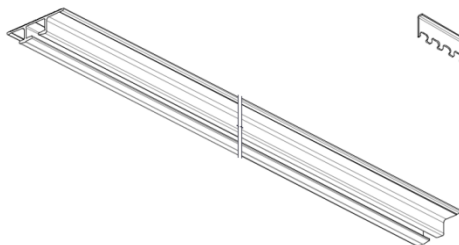


Fig. 9

■ REFERENCE NUMBERS

170020901. Aluminum rail 6.000 mm

270010230. Toothed rack profile 1950 mm

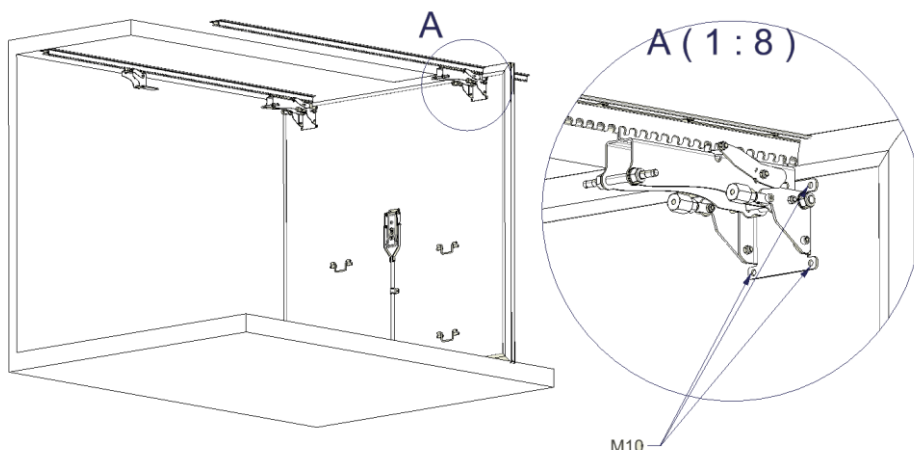


B. LIFTING ARMS

Drill the partition wall according to Fig. 3 and 4 for the installation of the lifting arms and the floor locking system.

Insert the lifting arms through the ends of the aluminum rails and slide it up to the correct position of the partition wall. To slide the lifting arms first you need to unlock them.

Then screw the lifting arms without the gas springs by using M10 screws.

**Fig. 10**

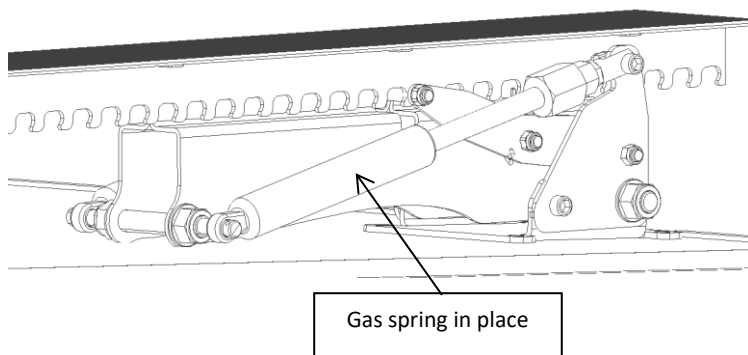
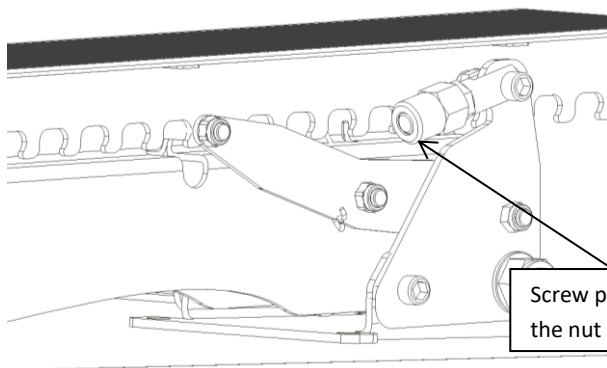
To place gas springs, it is necessary to fold the partition wall.

The female tensioner part reference 270010267 is screwed onto the gas spring stem.

The male tensioner part reference 270010266 is screwed at its maximum position with the included nut. At this point, the gas spring is ready to be positioned.

The cotter pin 303030207 is inserted in the front axle of the lifting arm.

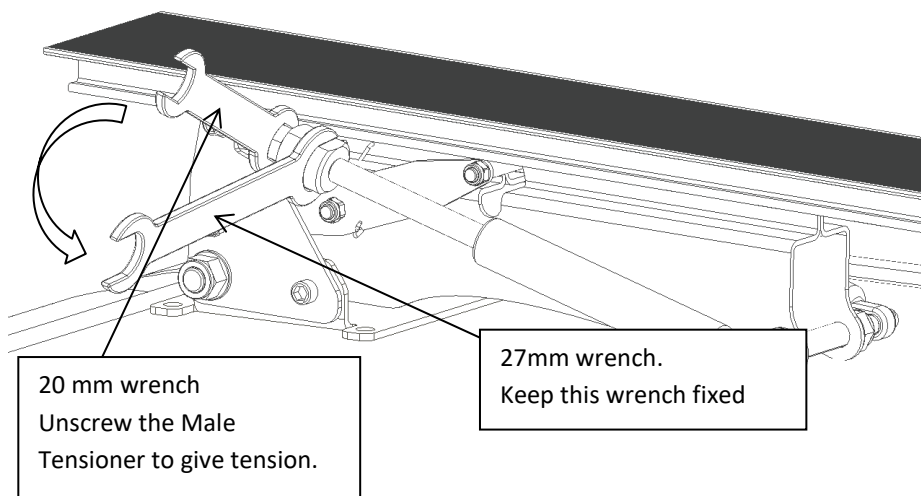
Last step is to provide tension to the gas springs by turning the male tensioner part 270010266 and holding part 270010267.



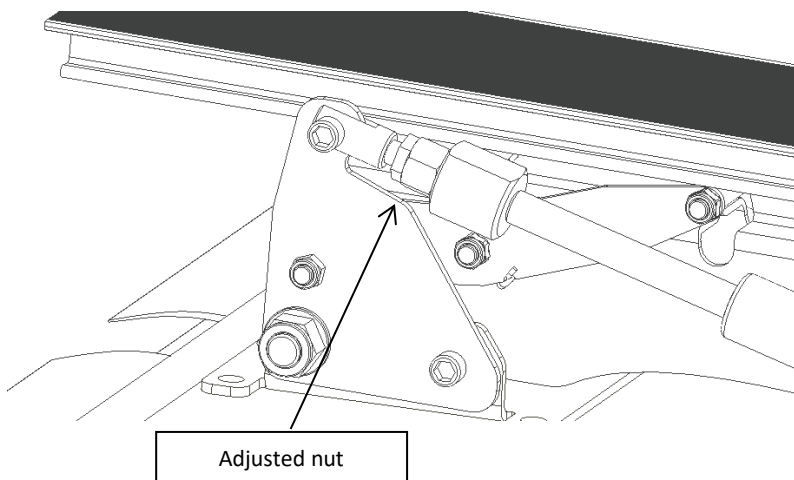
HOW TO GIVE TENSION TO THE GAS SPRING

Once the gas springs are in the correct position, they need to be tensioned so the partition wall can lift as much as possible.

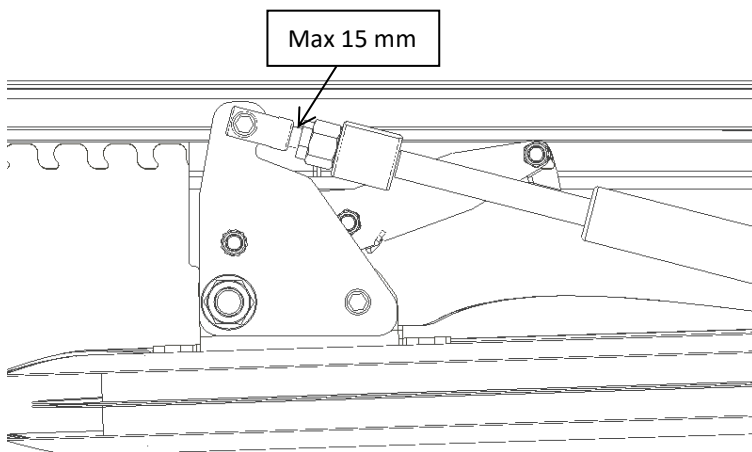
To do this, use a 27 mm wrench to hold the "Female Tensioner" (270010267) and turn the "Male Tensioner" (270010266) with a 20 mm wrench to get the gas spring compressed.



After giving tension to the springs, tighten the nut to prevent the parts from becoming loose.

**NOTE:**

Be careful not to apply too much tension to the gas springs, maximum gap is **15mm**.



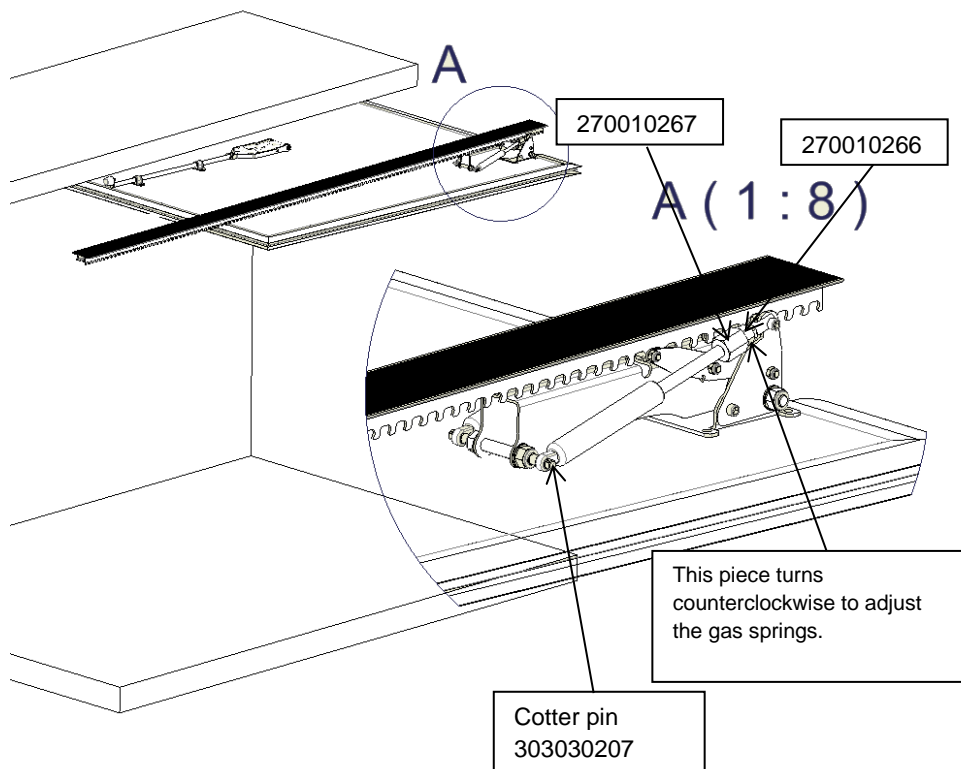
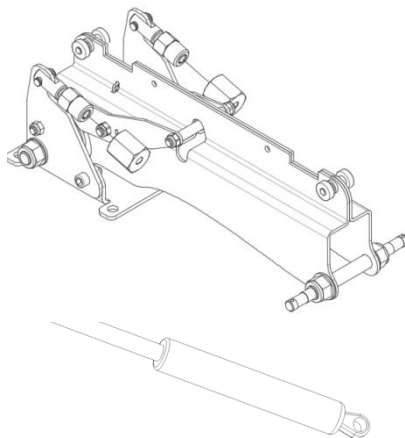


Fig. 12

REFERENCES USED

- 470010203. Kit 2 lifting arms.
- 270010270. Gas spring 2.000 N
- 270010271. Gas spring 1.500 N
- 303030207. Cotter pin
- 270010610. Nylon centering



C. FLOOR LOCKING SYSTEM AND HANDLES

Next step is to screw the floor locking system to the partition wall with M8 screws by the holes done in the instruction B see Fig. 4

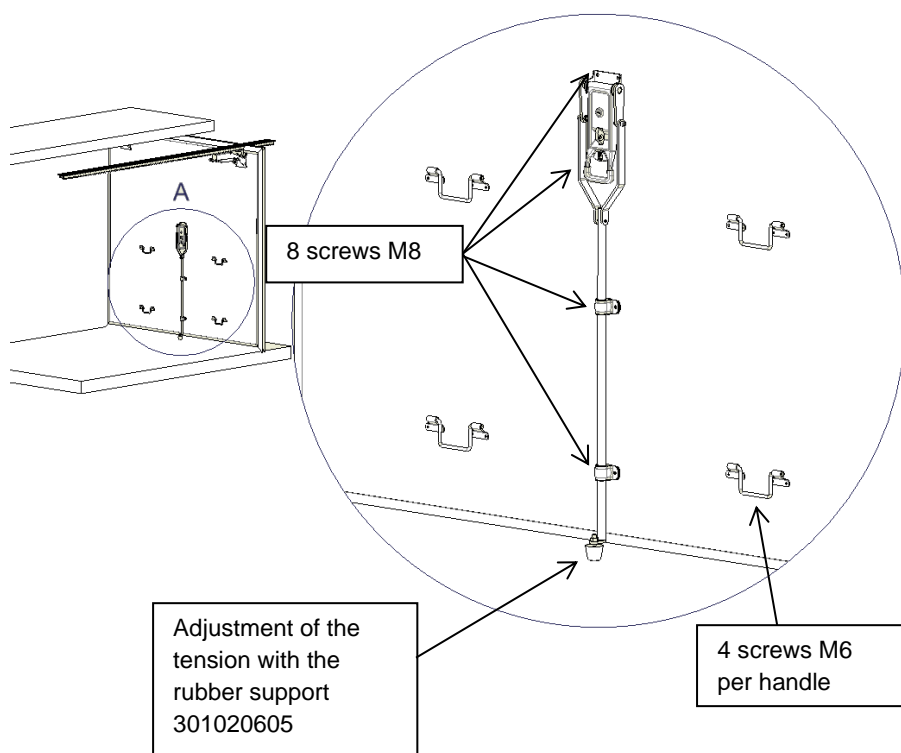
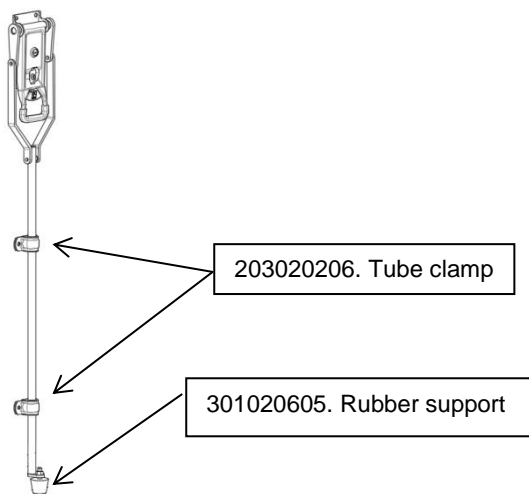


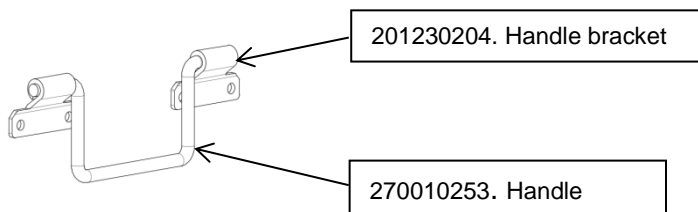
Fig. 13

▪ *REFERENCES USED*

- 470010250. Floor locking system

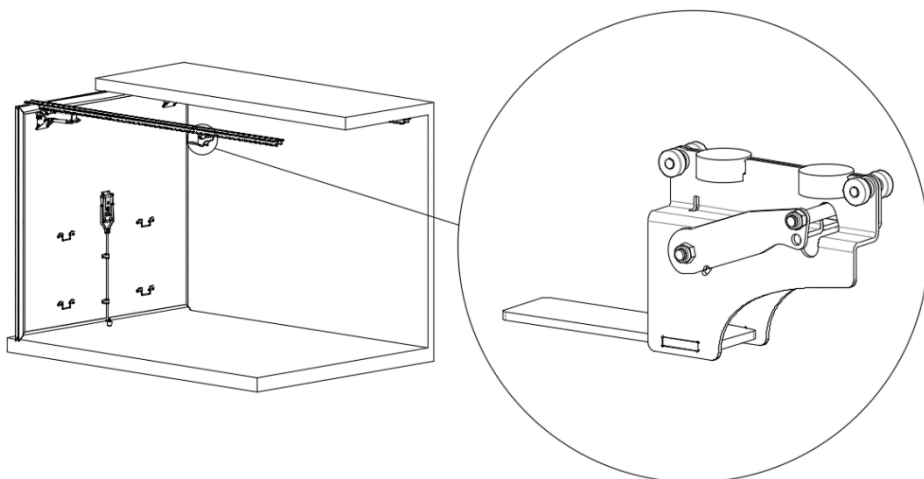


- 470010253. Partition wall handle



C. CEILING LOCKING SYSTEM

At this point, the ceiling locking system can be positioned by sliding it on the rail

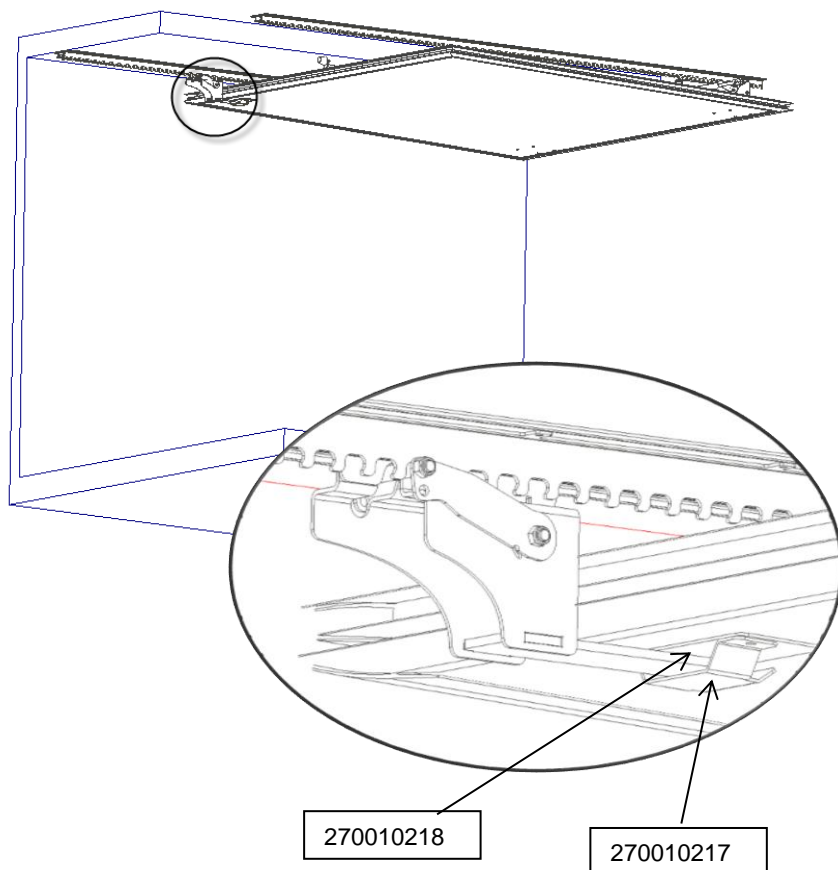


When the panel is raised, the ceiling fixing system should **ALWAYS** be used.

The use of 2 Ceiling Locking Systems is mandatory.

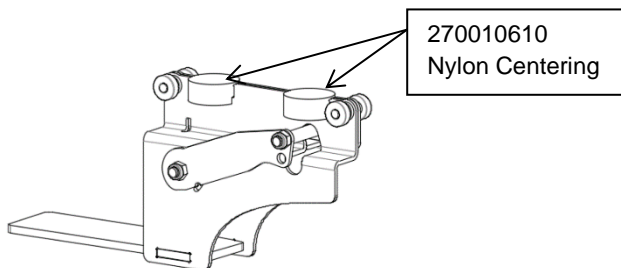


Last of all, the locking system plate and counter-plate need to be fixed to the backside of the panel to hold it when lifted.

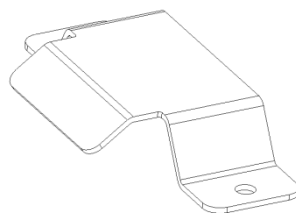


▪ *REFERENCES USED*

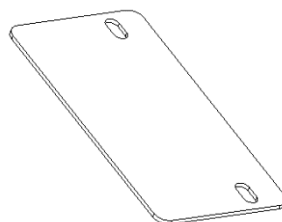
- 470010247. Ceiling locking system



- 270010217. Ceiling plate



- 270010218. Ceiling counterplate



D. END CAP

Use end caps at the extremity of the aluminum rail to limit the movement of the partition wall.

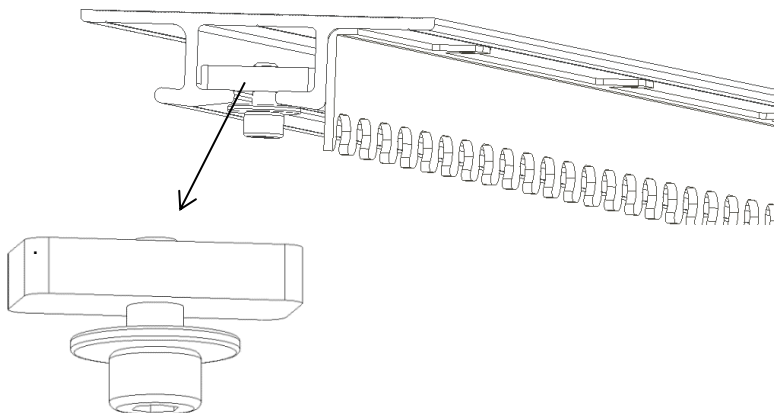


Fig. 14

▪ REFERENCES USED

- 470010600. Kit rail cap

