

Tempwall40 3D Mounting Instruction v1.1



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Document history

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0.1	Concept	13 Jan 2017		
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Contents

1	Introduction	4
1.1	Preface	4
1.2	Common information	4
1.3	Notes to the operator	5
1.4	Reading instructions	5
1.5	List with abbreviations.....	6
2	Safety	7
2.1	Signs on the product.....	7
2.2	Signs in the manual	7
3	Mounting the Frigowall track.....	8
3.1	Parts needed	8
3.1.1	Mandatory parts.....	8
3.1.2	Optional parts	9
3.1.3	Parts to be supplied by yourself.....	11
3.2	Tools needed	12
4	Mounting the track.....	13
5	Installation of the Tempwall 40 3D in the vehicle.....	19
6	Check the functionality of Tempwall 40 3D	22
6.1	Check the break functionality.....	22
7	Maintenance	25
8	Document information.....	26

1 INTRODUCTION

1.1 PREFACE

This operating manual is an essential aid for the correct and safe use of the insulation partition walls.

This manual contains important information for reliable, proper and efficient use of the insulating partitions. Adherence to the manual helps to avoid dangers, reduce repair costs and downtime and increase the reliability and the lifetime of insulating walls.

The instructions must be available to the operating personnel at all times. Any person who is authorized to use the insulating walls reads the operating instructions before use and then applies them accordingly.

1.2 COMMON INFORMATION

Do not expose the Tempwall 40 3D to outside weather conditions, extreme temperatures and direct sunlight.

Any change to the product makes the CE marking invalid. Please contact the manufacturer if a modification of the product is necessary.

Loadlok reserves the right, if not being met to the requirements, to withdraw the guarantee of their product partially or entirely.

At the end of the lifecycle:

The end user can deliver the multi temp product to Loadlok. Loadlok provides environmentally sound disposal of their product and recycles parts if these are fit for reuse.

1.3 NOTES TO THE OPERATOR

This manual is an essential part of the insulating walls. The customer shall ensure that the operator adheres these instructions. Please check our website www.loadlok.com for additional information such as user manuals. Or scan the QR code to find us on YouTube:



Note that in addition to the instructions, the laws of the country of the place of use are applicable and approved rules for accident prevention alongside with approved technical regulations for safe and professional work shall apply.

Any change to the product makes the CE marking invalid. Please contact the manufacturer if a modification of the product is necessary.

The Tempwall40 3D is not a load securing device!

1.4 READING INSTRUCTIONS



WARNING:

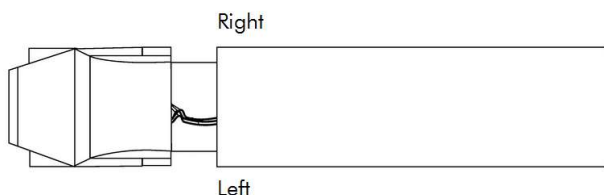
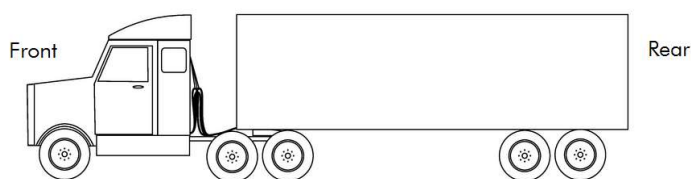
This is a warning of a potentially hazardous situation, resulting in moderate or minor injury and / or property damage if the appropriate instruction is not followed exactly.



ATTENTION:

This is a reference to useful information for the safe and effective use.

Orientation







1.5 LIST WITH ABBREVIATIONS


Frigowall track J-formed rail with locking holes to guide the Tempwall 40 3D into the trailer. (Type 3062)


2 SAFETY


2.1 SIGNS ON THE PRODUCT

 ID. nr: TW60-0203 MANUFACTURED BY:  DISTRIBUTED BY: 	Type designation sign Common information of the Tempwall 40 3D
 Dient NICHT zur Ladungssicherung! Do NOT use for load securing!	Warning sign Do not use the Tempwall 40 3D as a load securing device!

2.2 SIGNS IN THE MANUAL

	WARNING: This is a warning of a risk of danger, with the possible consequence serious injury or death if the designated instruction is not exactly is followed.
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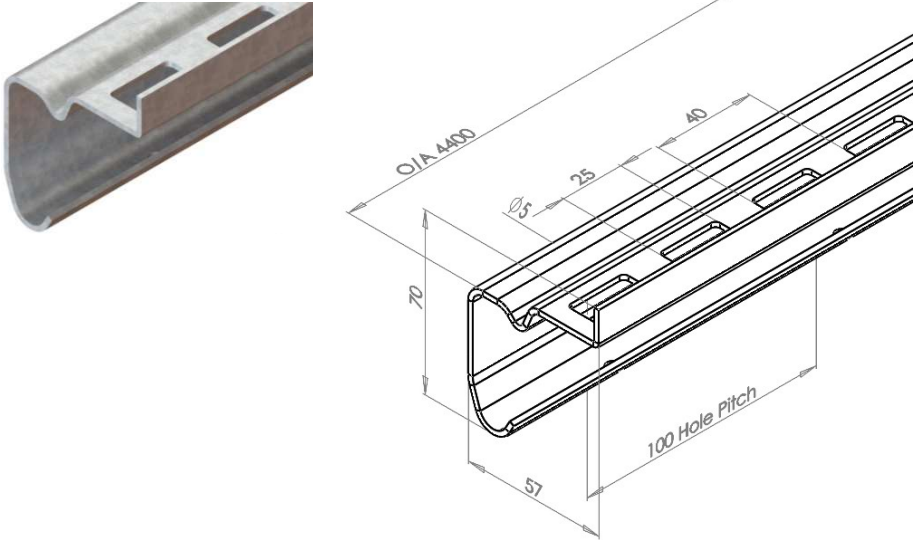
	WARNING: This is a warning of a potentially hazardous situation, resulting in moderate or minor injury and / or property damage if the appropriate instruction is not followed exactly.
---	--


	ATTENTION: This is a reference to useful information for the safe and effective use.
---	---

3 MOUNTING THE FRIGOWALL TRACK



3.1 PARTS NEEDED

3.1.1 Mandatory parts

Material	Measurements	Article number / Description
Frigowall-track 		10011288 3062 SS304 3200 Frigowall Track
Alternative article numbers with descriptions:		
10011291		10009470
3062 PRE GALV 4400 Frigowall Track		3062 SS304 3200 CS Frigowall Track
10011289		10011290
3062 SS304 4400 Frigowall Track		3062 SS430 3200 Frigowall Track
		10010708
		3061 PG 3200 Frigowall Track
Notes:		

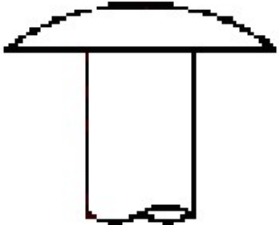
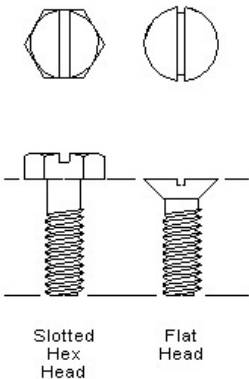
Material	Measurements	Article number / Description
Rubber end stop 		11060164 Rubber end stop extra hole
Notes: To be fitted on all ends. Is not accompanied with fasteners.		

3.1.2 Optional parts

Material	Measurements	Article number / Description
Steel stopper right side 		14003348 Steel stopper right side for Bulkheads
Notes: Is delivered without fasteners		
Steel stopper left side 		14003346 Steel stopper left side for Bulkheads
Notes: Is delivered without fasteners		

Material	Measurements	Article number / Description
<p>Steel stopper right side</p>  <p>Notes: Is delivered without fasteners</p>		<p>14003349</p> <p>Steel stopper rightside for Bulkheads</p>
<p>Steel stopper left side</p>  <p>Notes: Is delivered without fasteners</p>		<p>14003347</p> <p>Steel stopper leftside for Bulkheads</p>
<p>Trolley for Tempwall 40 / Isoclear</p>  <p>Notes:</p>		<p>12011466</p> <p>Trolley Left Tempwall40 RVS</p> <p>12011467</p> <p>Trolley Right Tempwall40 RVS</p>

3.1.3 Parts to be supplied by yourself

Material	Measurements	Article number / Description
Rivets 	5 mm or 8mm diameter	N.A.
<p>Notes: The length of the rivet is subject to the composition of the insulation wall of the trailer.</p> <p>This article is not in the delivery program of LoadLok.</p>		
Screw bolt 	5 mm or 8 mm diameter	N.A.
<p>Notes: The length of the screw is subject to the composition of the insulation wall of the trailer.</p> <p>Flathead optional: holes counter sunk for flush mounting. If this is a preference for mounting the Frigowall track, the mounting holes can be made counter sunk.</p> <p>This article is not in the delivery program of LoadLok.</p>		

3.2 TOOLS NEEDED

Blind rivet pliers



Wrench



Spirit level tool



Measuring tape



Pipe wrench



4 MOUNTING THE TRACK

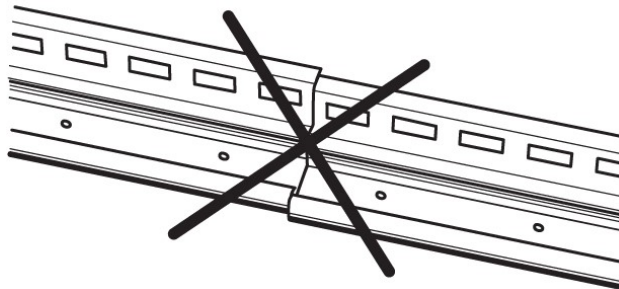
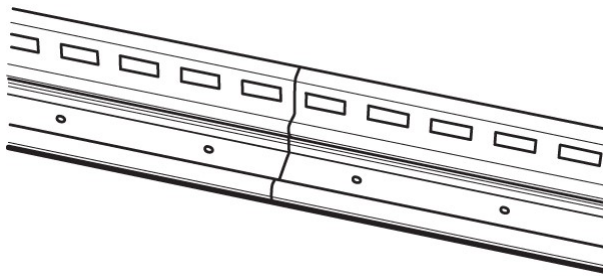


ATTENTION:

The procedure as described here must be performed twice, once on the left hand side and once on the right hand side of the trailer.

1. Measure the effective length of track to be used.

- 2.



For smooth running of the balancer trolley wheels over several tracks LoadLok advises to weld the tracks in the joining point in such way the trolley wheels never can interfere with the weld.

Make sure that the end edges of the rails are straight, so that the wheels of the vehicle can run continuous smoothly.

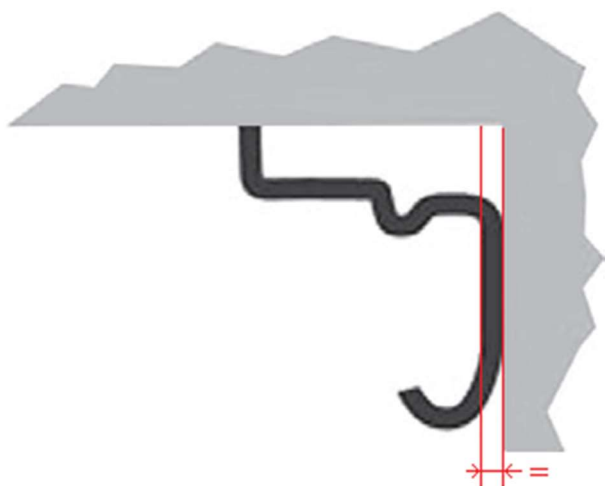
3. If the Frigowall-track is to be shortened, please leave enough material length in order to fasten the rubber end-stop with its steel cover plate.



ATTENTION:

Loadlok advises to use adhesive between the Frigowall track and side walls which is fit for this purpose.

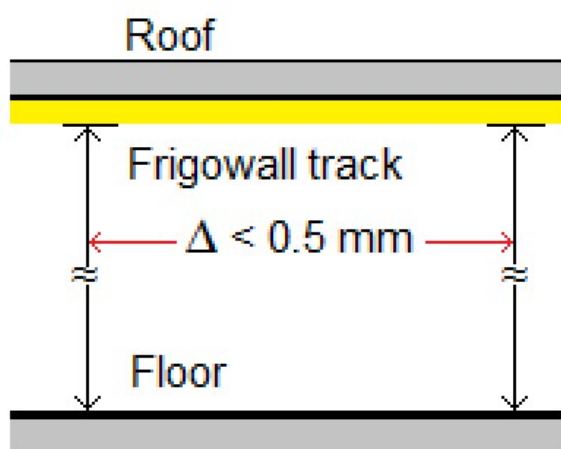
4.



Insert the guide rails in the outer left or right side of your vehicle.

Install the rails vertical (both to the wall and also to the ceiling).

5.

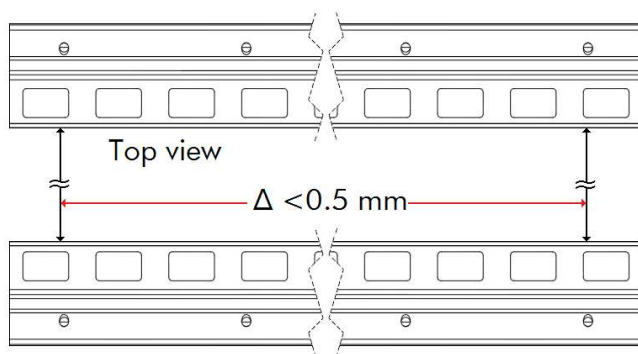


Side view

Measure the distance from the floor to the Frigowall track on both ends of the track.

The difference must be less than 0.5 mm as is shown in the illustration.

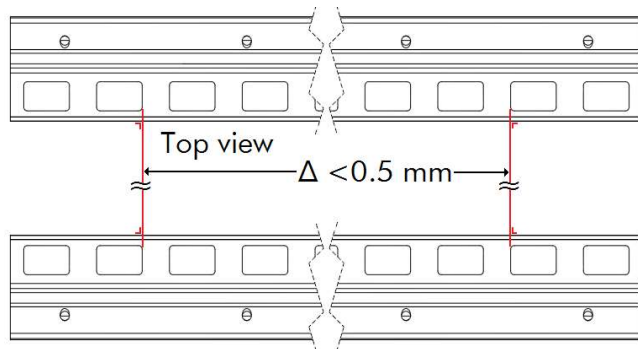
6.



Measure the distance between the tracks in the vehicle, as shown in the illustration.

The difference must be less than 0.5 mm.

7.



The locking holes **must** be parallel.

The difference must be less than 0.5 mm.

**ATTENTION:**

Maintain the Frigowall-track on level!
The tolerance for smooth running is < 0.5 mm!

8. Use **all** mounting holes with a rivet or a screw bolt.

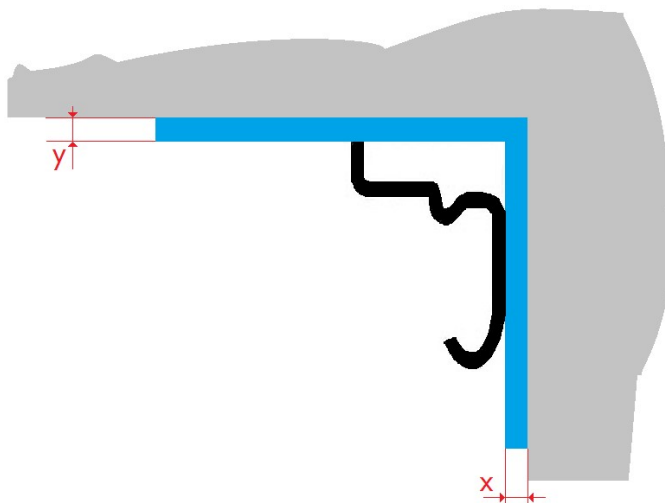
**ATTENTION:**

When using rivets:
Please fasten the Frigowall track to a minimum length of 750 mm with bolts for maintenance purposes of the Tempwall40 3D. These sections must be opposite to each other!

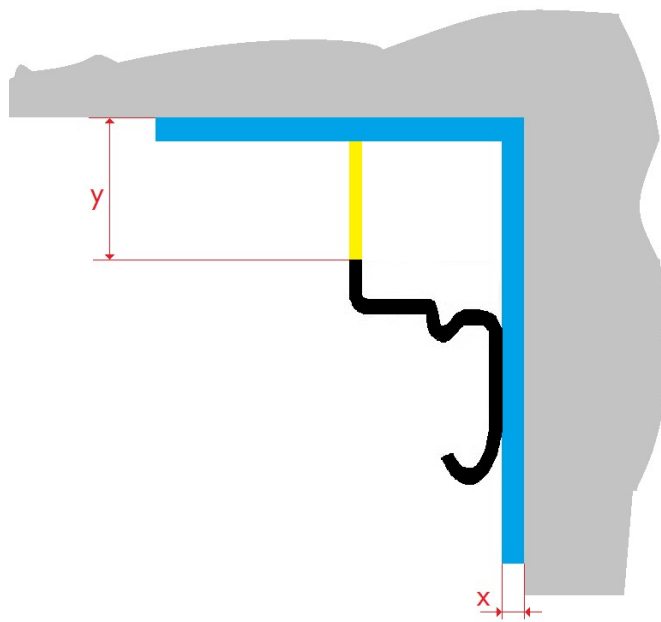
**ATTENTION:**

Wait until the adhesive is fully hardened. Only then proceed with rolling the Frigowall assembly into the track.

9. In the case the trailer is reinforced in the edges with corner profiles:



The corner profile is shown in blue colour.



LoadLok advises to fill the gap between the roof and the Frigowall-track. (shown in the illustration in yellow)



ATTENTION:

The X and Y values are vital when ordering



ATTENTION:

Note that the locking holes must remain free of obstacles

10. Mount the end stops at the bulkhead side of the track. (As is shown on position 11 or 12)

11.



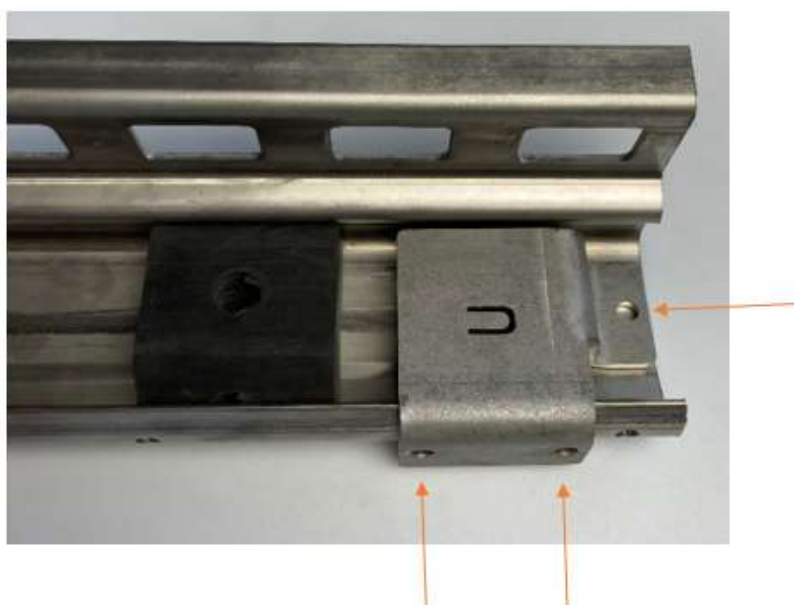
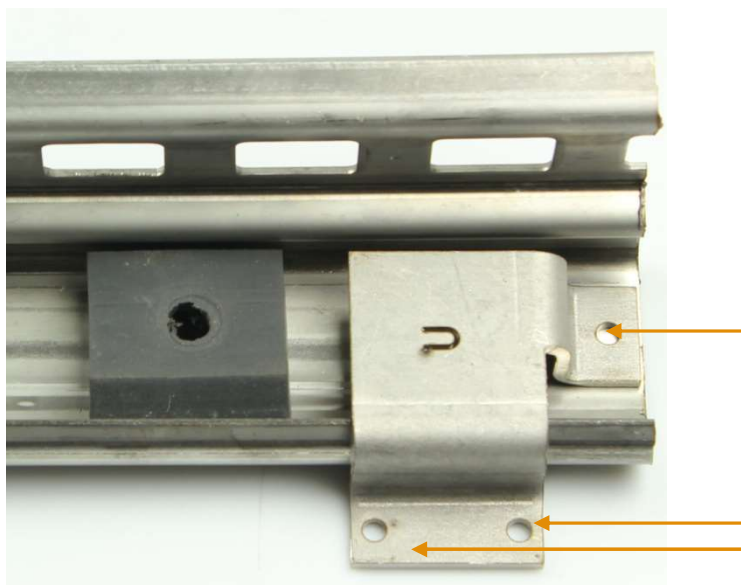
Mount / attach the end stop.

Possibilities are to use a M5 x 30 bolt and use the drain hole, a M8 bolt with thread or a big screw. Choose the option that suits your needs best. Mounting materials are not included.



12. Optional mounting of the steel stopper as shown in the figure.
The hole in the Frigowall track must be drilled.

In total 3 holes must be drilled!



5 INSTALLATION OF THE TEMPWALL 40 3D IN THE VEHICLE



WARNING:

Ensure that the vehicle is positioned on a horizontal plane before continuing with the installation!

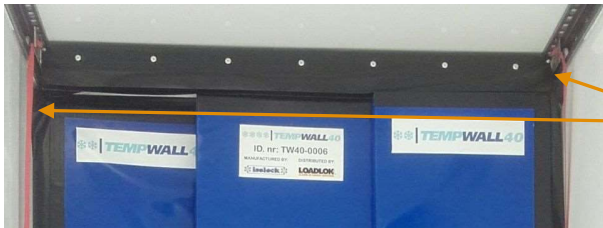


WARNING:

Severe injuries are possible due to the falling wall.

1. Mount the wall with the trolleys into the track by hand.
2. Carefully lift the Tempwall 40 3D against the opening of the mounted guide rails and insert the wheels of the trolleys into the rail.
3. Slide the Tempwall 40 3D as far into the vehicle as possible so that the Tempwall 40 3D cannot roll out of the **unsecured** rails.

4.



Override the brake by pulling on the brake straps on both sides.

5. Push the Tempwall 40 3D at least so far in the trailer that the locking finger is in a brake hole



WARNING:

Severe injuries are possible due to a falling wall.



ATTENTION:

The wheels are freely movable sideways up to 10mm to compensate for differences in vehicle width.

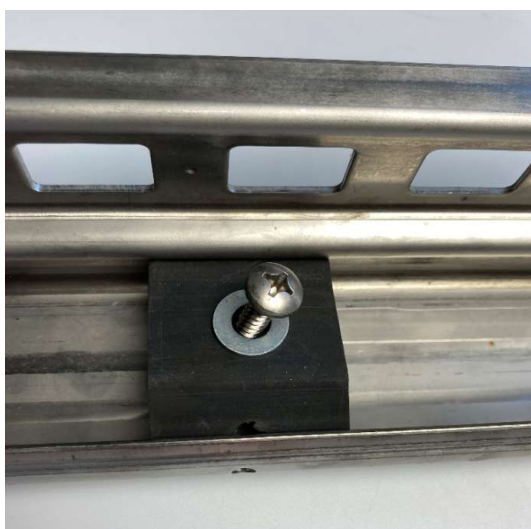
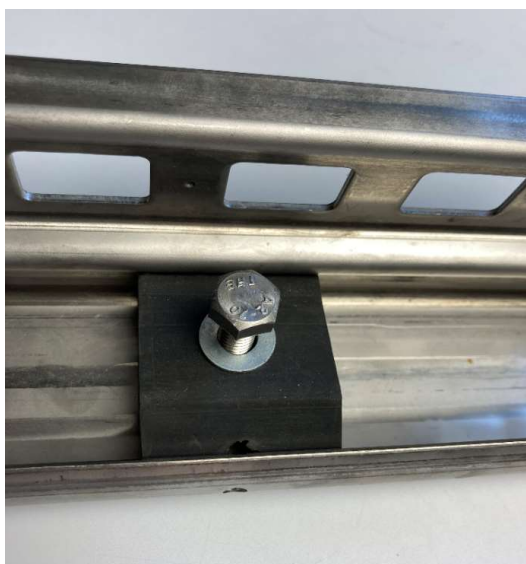
6. Mount the end stops at the bulkhead side of the track. (As is shown on position 7 or 8)

7.



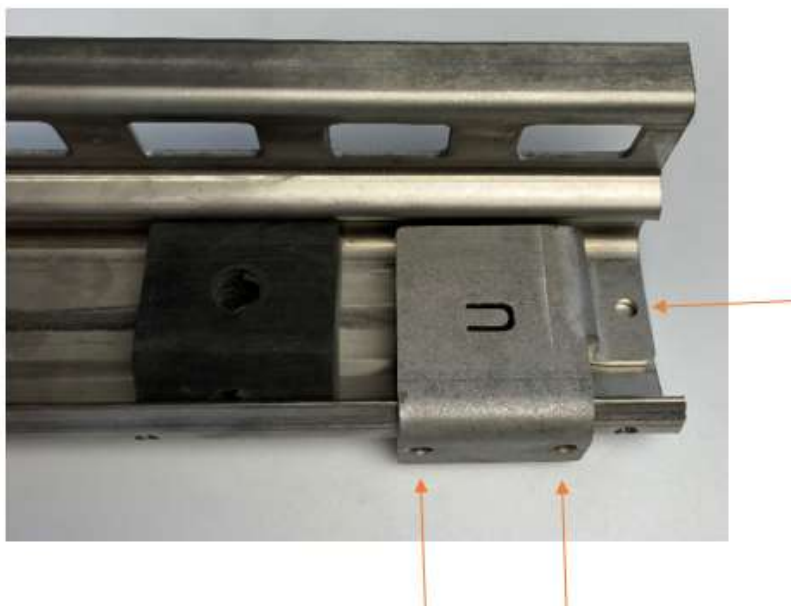
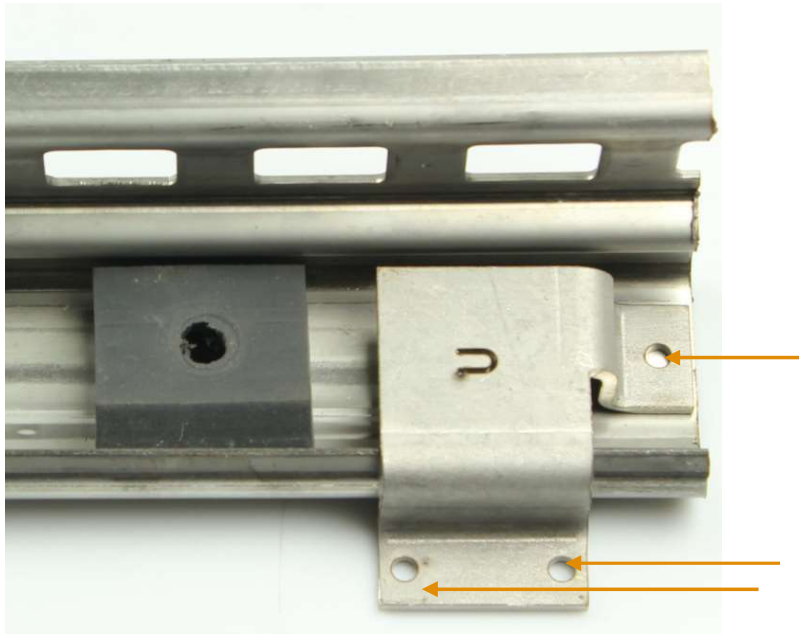
Mount / attach the end stop.

Possibilities are to use a M5 x 30 bolt and use the drain hole, a M8 bolt with thread or a big screw. Choose the option that suits your needs best. Mounting materials are not included.



8. Optional mounting of the steel stopper as shown in the figure. The hole in the Frigowall track must be drilled.

In total 3 holes must be drilled!



9.



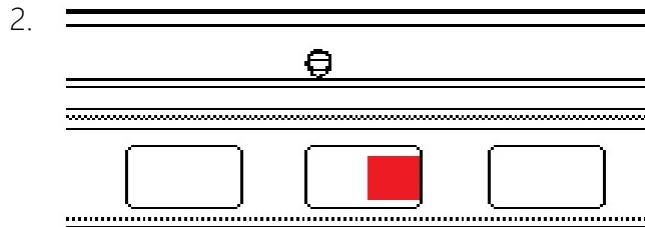
ATTENTION:

Perform step 6 also for the other side of the trailer!

6 CHECK THE FUNCTIONALITY OF TEMPWALL 40 3D

6.1 CHECK THE BREAK FUNCTIONALITY

1. Lift the Tempwall 40 3D into such an angle that it is in the area which is colored red.



The break locks must be positioned in the middle of the braking hole (as shown in red).



Correct position of the brake in the Frigowall track



Incorrect position of the brake in the Frigowall track

3. If this is not the case bend the brake lock until it does!

4.



WARNING:
Check both sides!



WARNING:
If the functionality of the breaking locks cannot be assured:

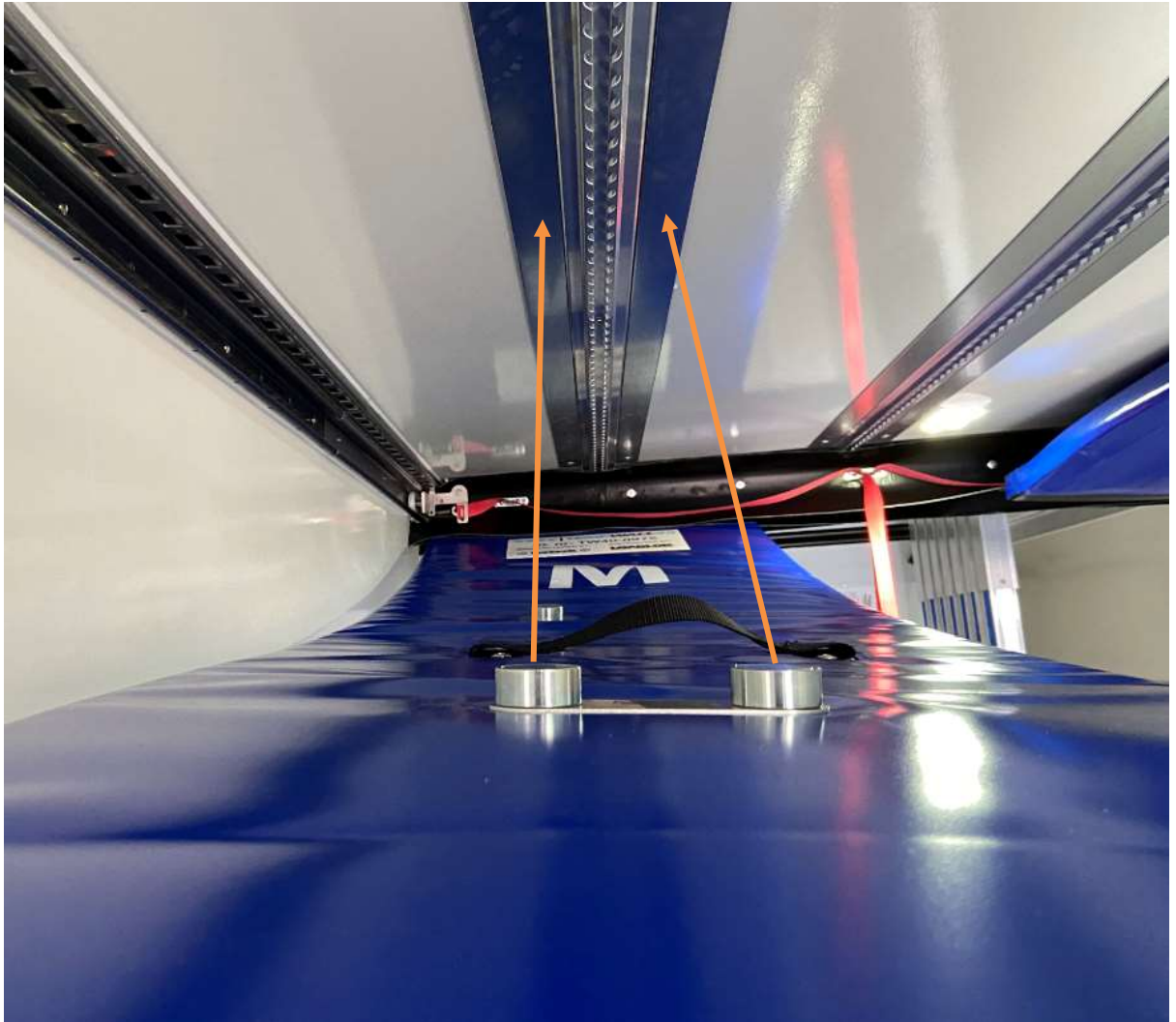
- Contact Loadlok immediately!
- Do not release the vehicle until fault rectified!

6.2 SPECIAL REQUIREMENT IN CASE OF SLIDE-SHIFT-STOW

Please make sure that the magnets have sufficient supporting material within the steel roof bars. This will enable the magnetic retention system to secure the door to the ceiling correctly.

If needed place additional steel strips (over the working length of the tempwall40 3D) to the roof, for example as in the following pictures:





7 MAINTENANCE

Maintenance table			
Manifestation of the failure	Possible cause or procedure to detect the failure	Solution	Performed by (unskilled till certified)
The brake fingers are not locking in the centre of the braking hole		Adjust the brake fingers according to paragraph "Check the brake functionality"	Mechanic

If the Tempwall40 3D is inspected on a regular basis on above mentioned inspection points the product lasts a vehicle lifetime.

8 DOCUMENT INFORMATION

Principal	Contractor	Digital file name
LoadLok International	Foxiz BV	Tempwall40 3D Mounting Instruction v1.1 March 2021

Remarks, corrections or suggestions are welcomed by the technical department.