

Isoclear Mounting Instruction v1.1



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Document history

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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 Isoclear 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 Isoclear is not a load securing device!

1.4 READING INSTRUCTIONS



WARNING:

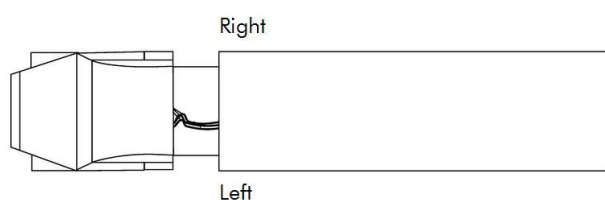
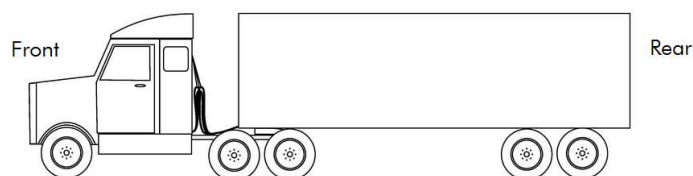
This is a warning of a potentially hazardous situation, resulting in moderate or minor injury and / or property damage if the appropriate instruction is not followed exactly.



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 Isoclear into the trailer.
(Type 3062)

2 SAFETY

2.1 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.



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.


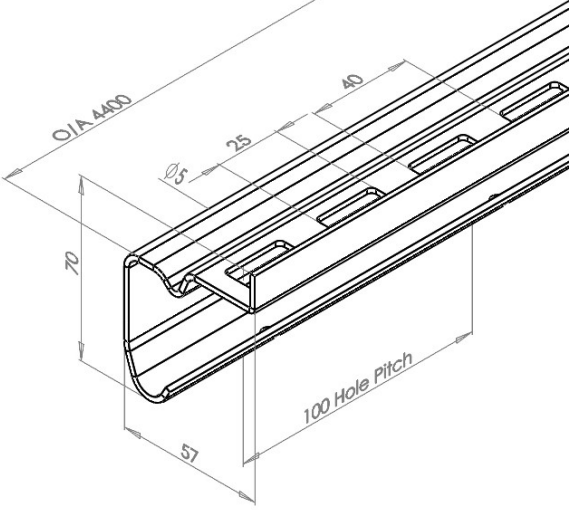

3 MOUNTING THE FRIGOWALL TRACK




3.1 PARTS NEEDED

3.1.1 Mandatory parts (all variants)

Material	Measurements	Article number / Description
Isoclear Sheet 		11060166 Isoclear Sheet
Notes: Isoclear spring clamp 		12009529 Leaf spring 10x1 C75 for Isoclear
Notes: To be fitted on both ends of the round tube (SLIDE versions).		

3.1.2 Mandatory parts Slide and Slide Shift variants

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:		
Rubber end stop 		11060164 Rubber endstop extra hole

Material	Measurements	Article number / Description
Notes: To be fitted on all ends. Is not accompanied with fasteners.		
Trolley for Isoclear 2D 		11060160 Isoclear trolley set Stainless Steel
Notes: Trolley for Isoclear 3D 		12011466 Trolley Left Isoclear 3D RVS 12011467 Trolley Right Isoclear 3D RVS
Notes: an extra pin for the third tube is added for 3D		
Fixed length round tube 		12009533 Telescopic tube for Isoclear
Notes:		


3.1.3 Mandatory part Fix and Fix-Shift variants

Material	Measurements	Article number / Description
Isoclear fix bracket 		12009531 Ceiling track bracket
Notes: Is not accompanied with fasteners. This article is used if Isoclear is to be used at a side door of the trailer.		
Isoclear fix track 		11060165 1805 track L=5 holes for Isoclear Fix
Notes: Is not accompanied with fasteners.		
Telescopic round tube 		12009533 Telescopic tube for Isoclear Fix
Notes:		

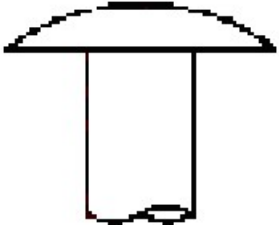
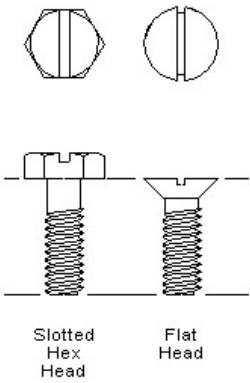
3.1.4 Optional parts

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

3.1.5 Consumables

Material	Measurements	Article number / Description
Isoclear Sheet 		11060166 Isoclear Sheet
Notes:		

3.1.6 Parts to be supplied by yourself

Material	Measurements	Article number / Description
Rivets	5 mm or 8 mm 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 8mm diameter	N.A.
 <p>Slotted Hex Head Flat Head</p> <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



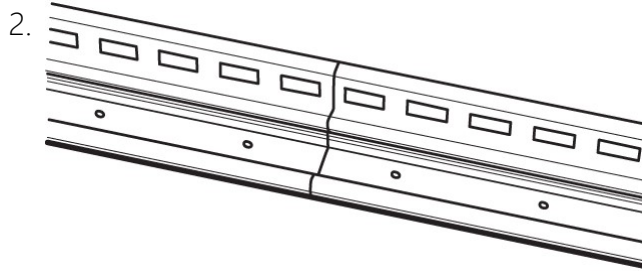
4 MOUNTING THE TRACK (SLIDE AND SLIDE-SHIFT ONLY)



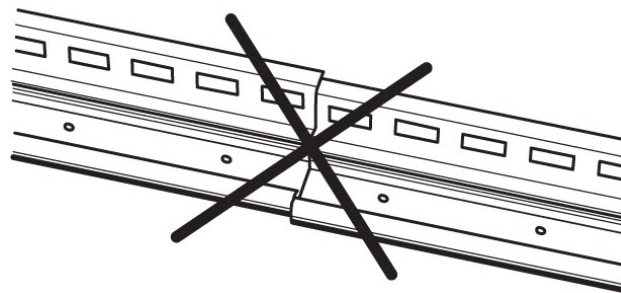
ATTENTION:

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 balancer or 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.

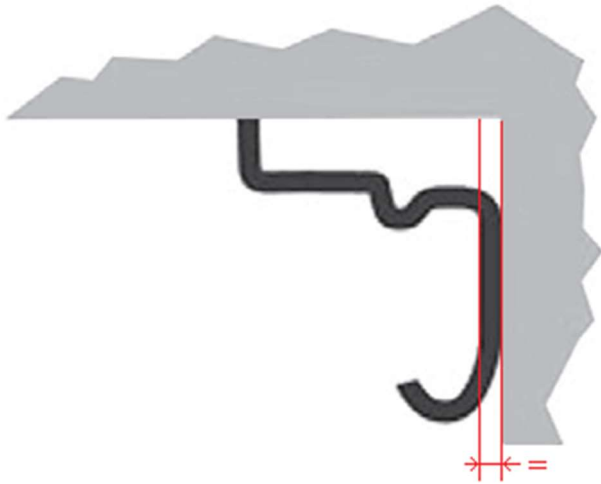
3. If the Frigowall-track is to be shortened, please leave enough material length in order to fasten the rubber end-stop with its steel cover plate.



ATTENTION:

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

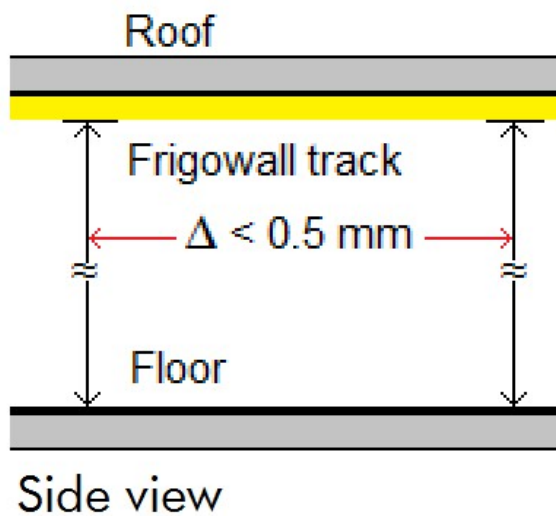
4.



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).

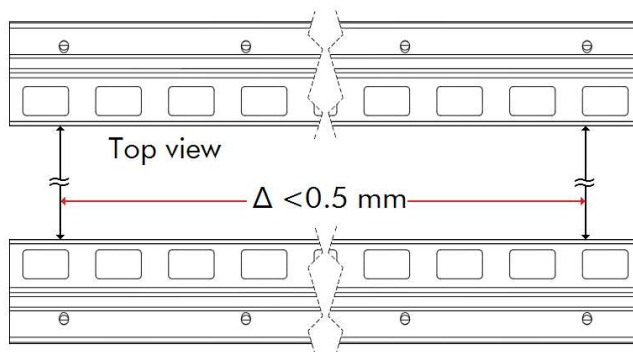
5.



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.

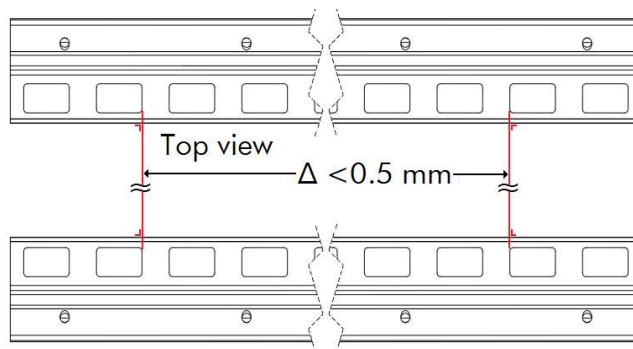
6.



Measure the distance between the tracks in the vehicle, like is 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.



ATTENTION:

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



ATTENTION:

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



ATTENTION:

Note that the locking holes must remain free of obstacles

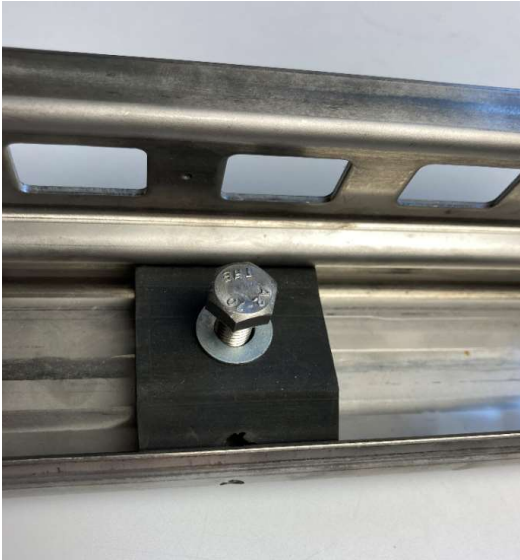
9. Mount the end stops at the bulkhead side of the track. (As is shown on position 10 or 11)

10



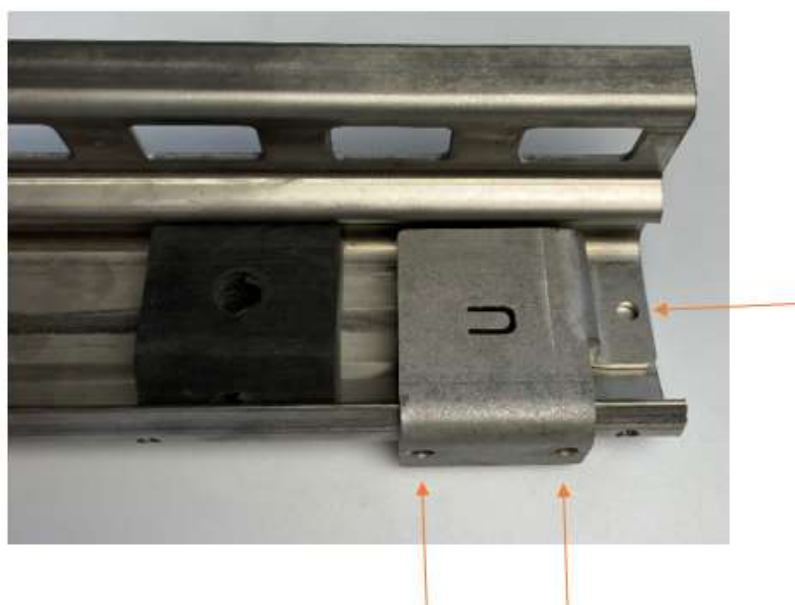
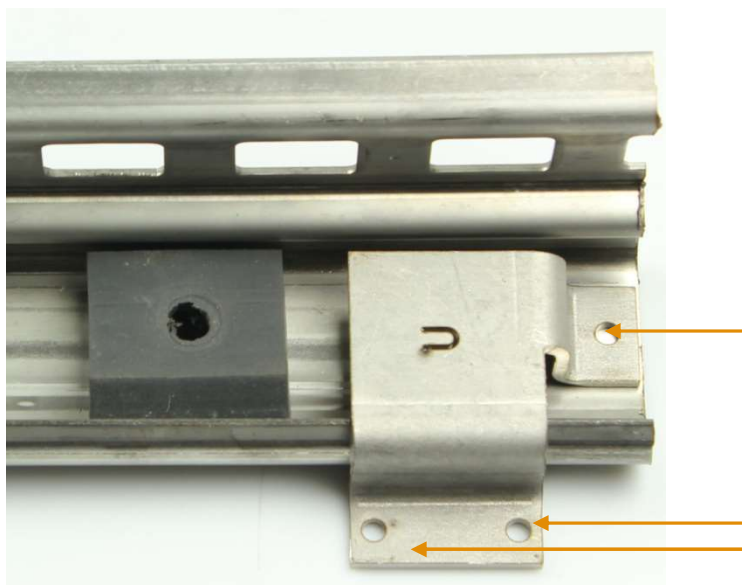
Mount / attach the end stop.

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.



11. 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 MOUNTING THE TRACK (FIX AND FIX-SHIFT ONLY)



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.

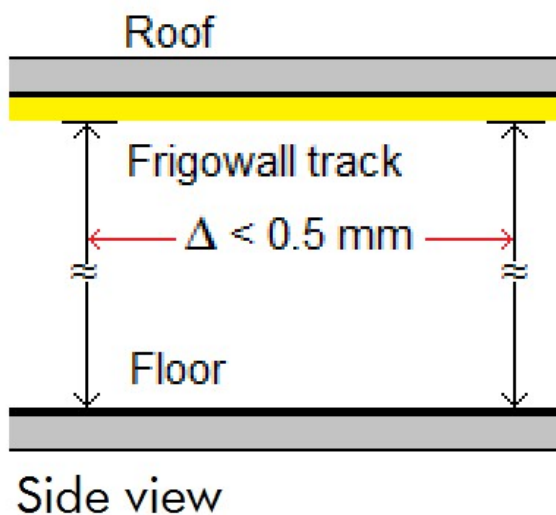
1.



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).

2.



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.

3. Use **all** mounting holes with a rivet or a screw.



ATTENTION:

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



ATTENTION:

Wait until the adhesive is fully hardened. Only then proceed to roll the Isoclear assembly into the track.

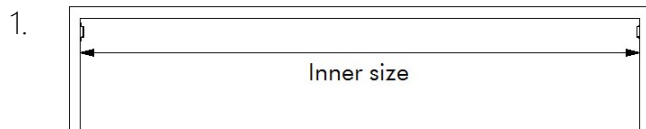
6 INSTALLATION OF THE ISOCLEAR ASSEMBLY IN THE VEHICLE

6.1 FIX VARIANT



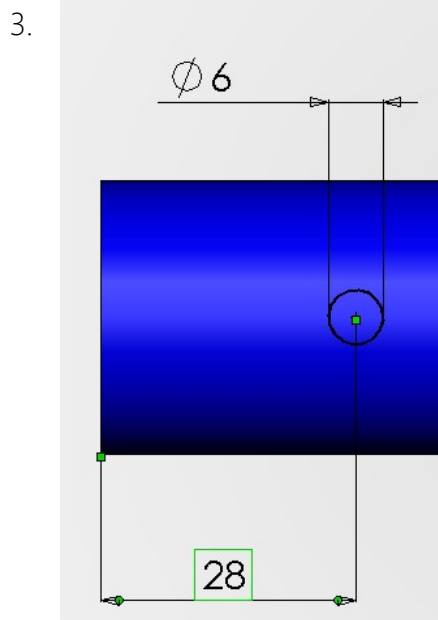
WARNING:

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

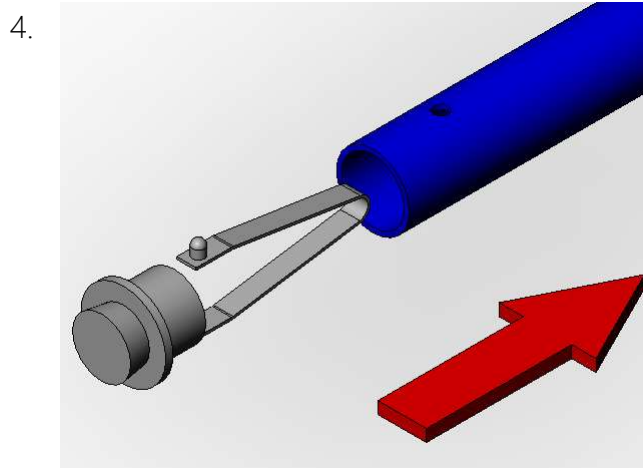


Measure the inner size of the trailer.

2. Length of tube = inner width of trailer – 30 mm

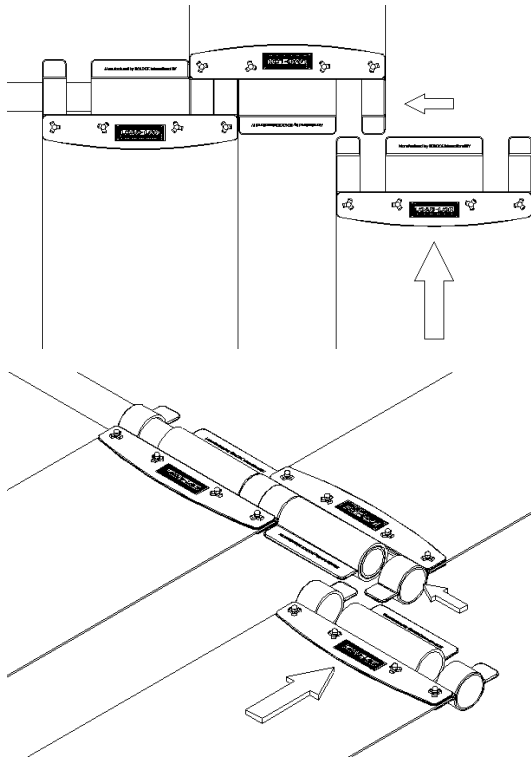


Drill a hole of 6mm at 28 mm from the end.



Mount the end cap on the tube as shown in the figure.

5.



Mount all strips as shown in the figures.



ATTENTION:

Keep the loadLok / ISOLOCK logo on one side!

6. The tube with the Isoclear sheets on it must be placed for the (side) door you want to close with the Isoclear.
7. Then slide the brackets on the tube in such way the Isoclear cannot shift sideways anymore.
8. Mount the brackets to the side wall.





ATTENTION:

To disassemble, follow these steps in reversed order

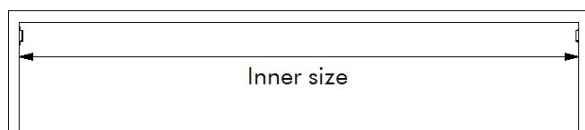
6.2 FIX-SHIFT VARIANT



WARNING:

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

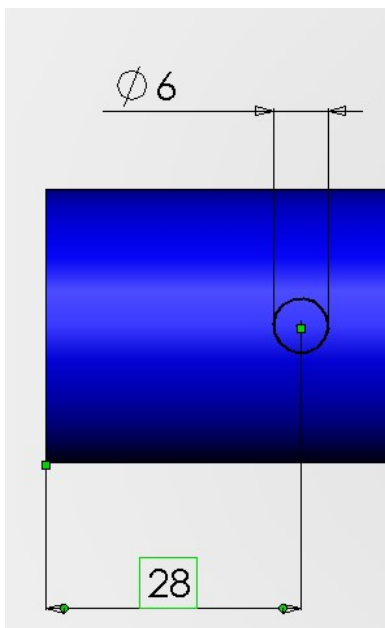
1.



Measure the inner size of the trailer.

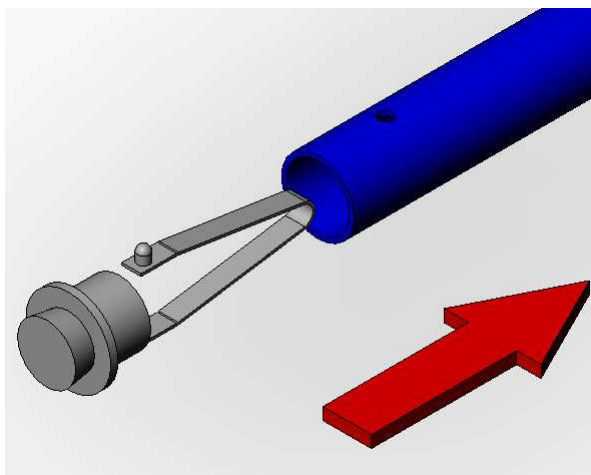
2. Length of tube = inner width of trailer – 30 mm

3.



Drill a hole of 6mm at 28 mm from the end.

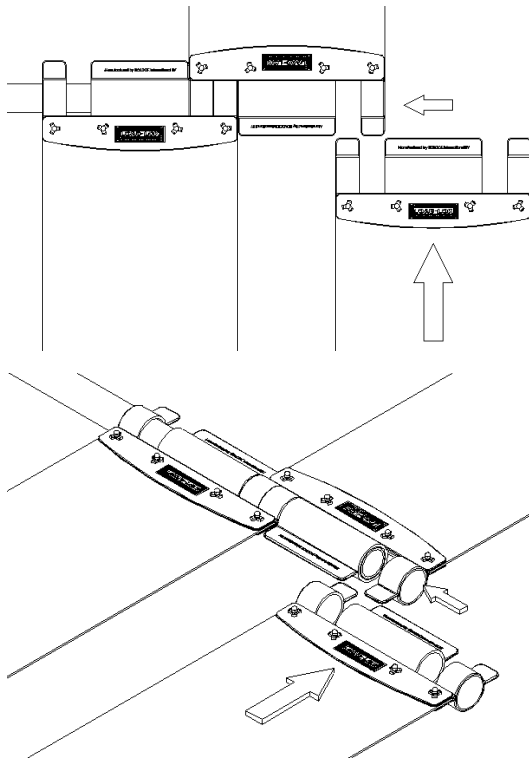
4.



Mount the end cap on the tube as shown in the figure.

5. Slide the strip with the operating belt onto the tube.

6.



Mount all strips as shown in the figures.



ATTENTION:

Keep the LoadLok / ISOLOCK logo on one side!

7. Slide the strip with the operating belt onto the tube.

8. Repeat above steps 3 till 7 for the other tube.

9. Mount the tube in the tube-profile

10.



The tubes MUST be mounted diametrically opposed as is shown in the figure.

6.3 SLIDE VARIANT



WARNING:

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

1. Inner size

Measure the inner size of the trailer.

2. Length of tube = inner width of trailer – 70 mm

3. Mount all strips as shown in the figures.



ATTENTION:

Keep the LoadLok / ISOLOCK logo on one side!

4. Mount the tube in the tube-profile
5. Carefully lift the ISO Clear assembly against the opening of the mounted guide rails and insert the wheels of the trolleys into the rail.
6. Slide the ISOCLEAR assembly as far into the vehicle as possible so that the assembly cannot roll out of the **unsecured** rails.
7. Override the brake by pulling the break-cord on both sides.

8. Push the ISOCLEAR assembly at least so far in the trailer that the locking finger on each side is in a breakhole.



WARNING:

Severe injuries are possible due to a falling assembly.
Assure that the locking finger is in a break hole!



ATTENTION:

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

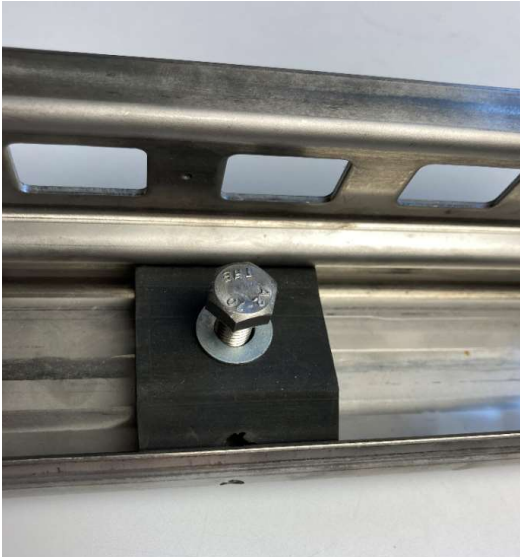
9. Mount the end stops at the bulkhead side of the track. (As is shown on position 10 or 11)

10



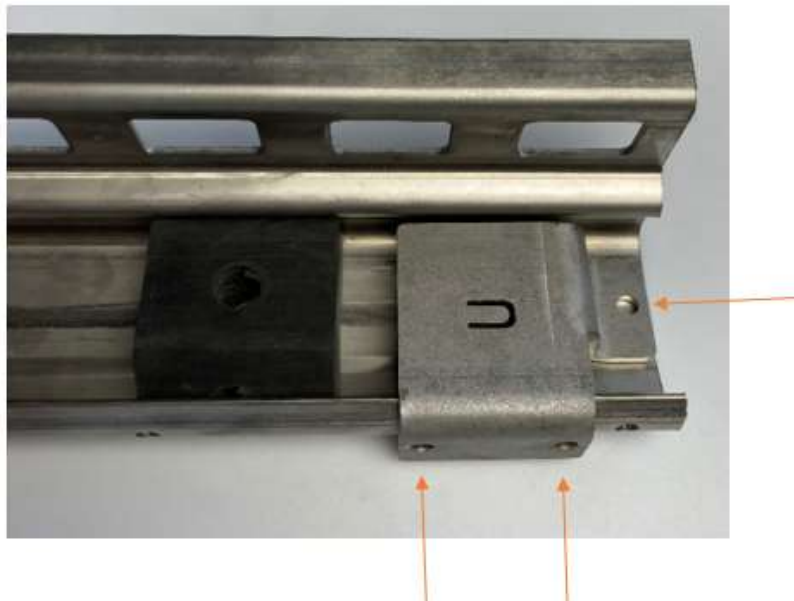
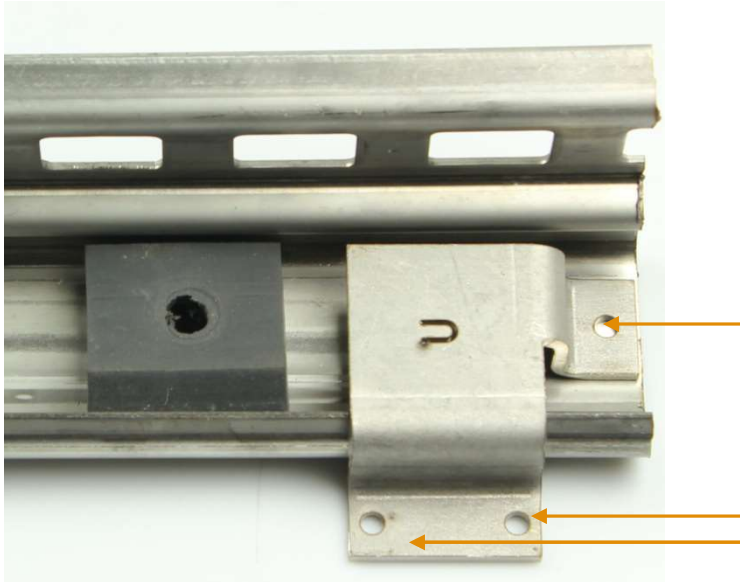
Mount / attach the end stop.

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.



11. 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!



12.



ATTENTION:

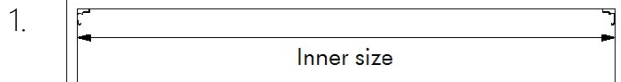
Perform step 9 also for the other side of the trailer!

6.4 SLIDE-SHIFT VARIANT



WARNING:

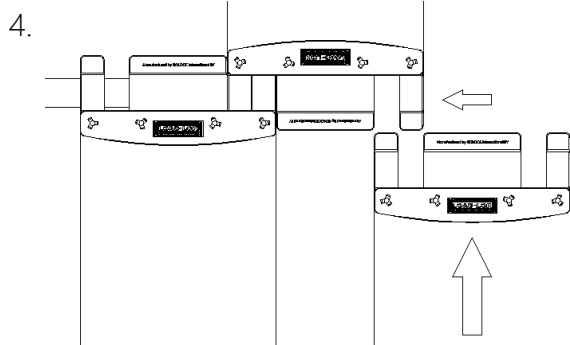
Ensure that the vehicle is positioned on a horizontal plane before continuing with the installation!



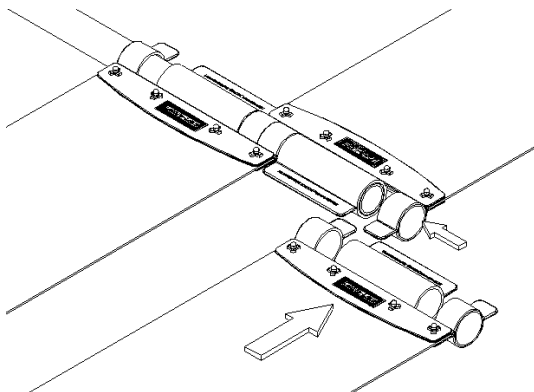
Measure the inner size of the trailer.

2. Length of tube = inner width of trailer – 70 mm

3. Slide the strip with the operating belt onto the tube.



Mount all strips as shown in the figures.



ATTENTION:

Keep the LoadLok / ISOLOCK logo on one side!

5. Slide the strip with the operating belt onto the tube.

6. Repeat above steps 3 till 5 for the other tube.

7. Mount the tube in the tube-profile

8.



The tubes **MUST** be mounted diametrically opposed as is shown in the figure.

9. Carefully lift the ISO Clear assembly against the opening of the mounted guide rails and insert the wheels of the trolleys into the rail.

10. Slide the ISOCLEAR assembly as far into the vehicle as possible so that the assembly cannot roll out of the **unsecured** rails.

11. Override the brake by pulling the break-cord on both sides.

12. Push the ISOCLEAR assembly at least so far in the trailer that the locking finger on each side is in a breakhole.



WARNING:

Severe injuries are possible due to a falling assembly.
Assure that the locking finger is in a break hole!



ATTENTION:

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

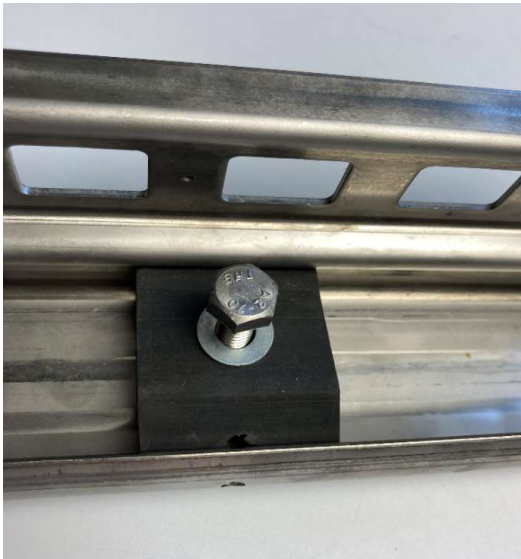
13 Mount the end stops at the bulkhead side of the track. (As is shown on position 14 or 15)

14



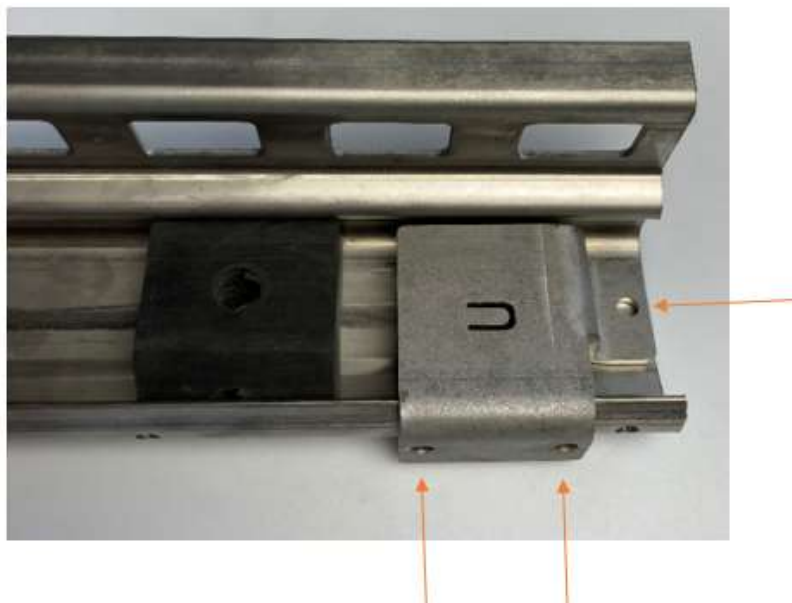
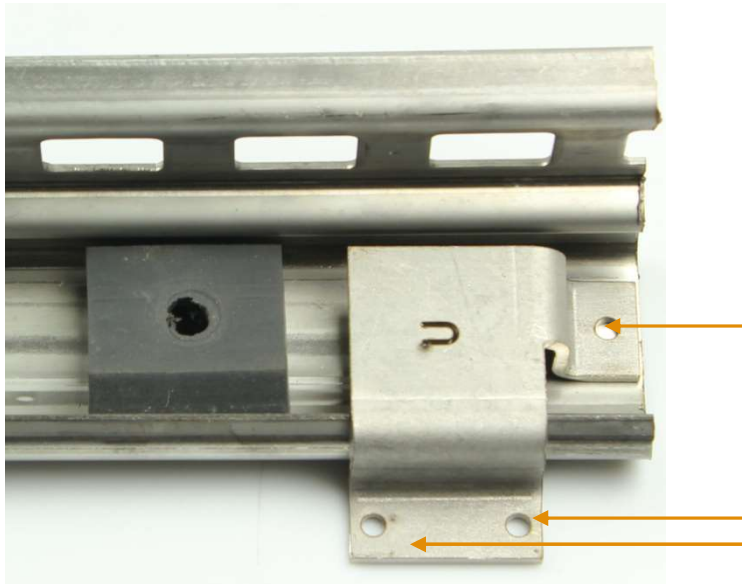
Mount / attach the end stop.

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.



15 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!



16



ATTENTION:

Perform step 13 also for the other side of the trailer!

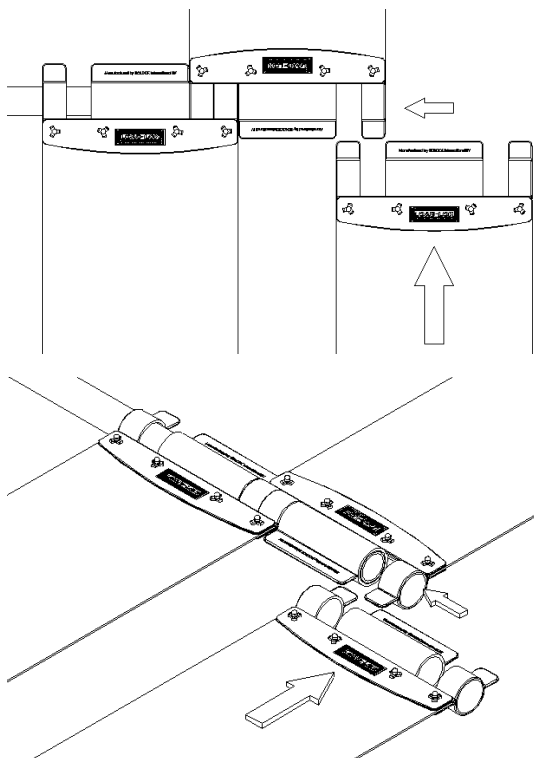
6.5 SIDE DOOR FIX VARIANT



WARNING:

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

1



Mount all strips as shown in the figures.



ATTENTION:

Keep the LoadLok / ISOLOCK logo on one side!

- 2 The tube with the Isoclear sheets on it must be placed for the (side) door you want to close with the Isoclear.

- 3 Then slide the brackets on the tube in such way the Isoclear cannot shift sideways anymore.
- 4 Mount the brackets to the side wall.



- 5 Tighten the bolts in the brackets to keep the isoclear tube in fixed position.

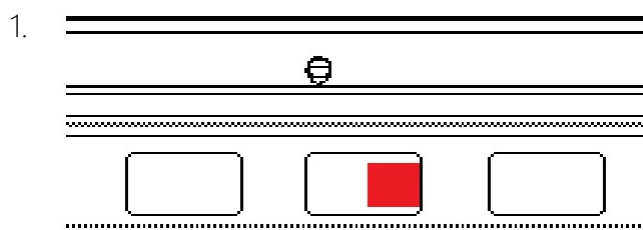


ATTENTION:

To disassemble, follow these steps in reversed order

7 CHECK OF THE FUNCTIONALITY

7.1 CHECK THE BREAK FUNCTIONALITY



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



Correct position of the brake in the Frigowall track



Incorrect position of the brake in the Frigowall track

2. If this is not the case bend the break lock until it does!

3.



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!

8 MAINTENANCE

Maintenance table			
Manifestation of the failure	Possible cause or procedure to detect the failure	Solution	Performed by (unskilled till certified)
The sheets are worn out, broken or missing upon visual inspection		Replace sheets (art.nr. 11060166, as seen on page 8)	Mechanic
The brake fingers are not locking in the centre of the braking hole		Adjust the braking fingers according to paragraph "Check the brake functionality"	Mechanic

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

9 DOCUMENT INFORMATION

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

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