liftroller® floor

User manual

EN User manual

26.1.21 Version 1

SAFETY INSTRUCTIONS

Please read the user manual carefully before use!

- Maximum capacity is 1,500 kg. This limit must not be exceeded.
- This product is designed for professionals who are familiar with the building's construction.
- Ensure that the props have been fitted tightly against the ceiling and that the wire has been tensioned before use.
- Please note that there is a risk of crushing when pulling the locking pins out of the props. Firmly grip the upper part of the prop while extracting the locking pin to prevent the prop from descending uncontrollably.
- Ensure that no one enters the space underneath the load.
- Ensure that the props line up with load-bearing elements in the building that are capable of withstanding the load they are being exposed to.
- If the building has timber joists, establish their direction and place a perpendicular reinforcement on them that can withstand the load if necessary.
- The Liftroller Floor must only be used by persons familiar with its functions.
- Do not modify the Liftroller Floor.
- Ensure that at least 2/3 of the length of the load is placed within the perimeter of the roller table before unhooking the slings from the crane.
- Ensure that the roller table slopes gently towards the middle of the room. You can achieve this by tightening the wire. Tighten the wire too much and it may result in an excessive incline.
- The Liftroller Floor is not an approved scaffolding device.
- Do not leave loads unsecured on the Liftroller Floor as the rollers provide little resistance.

Ensure that you have read, understood and can adhere to all the safety instructions and warnings before using the Liftroller Floor. Failure to comply with the above can result in damage to the product and/or personal injury.

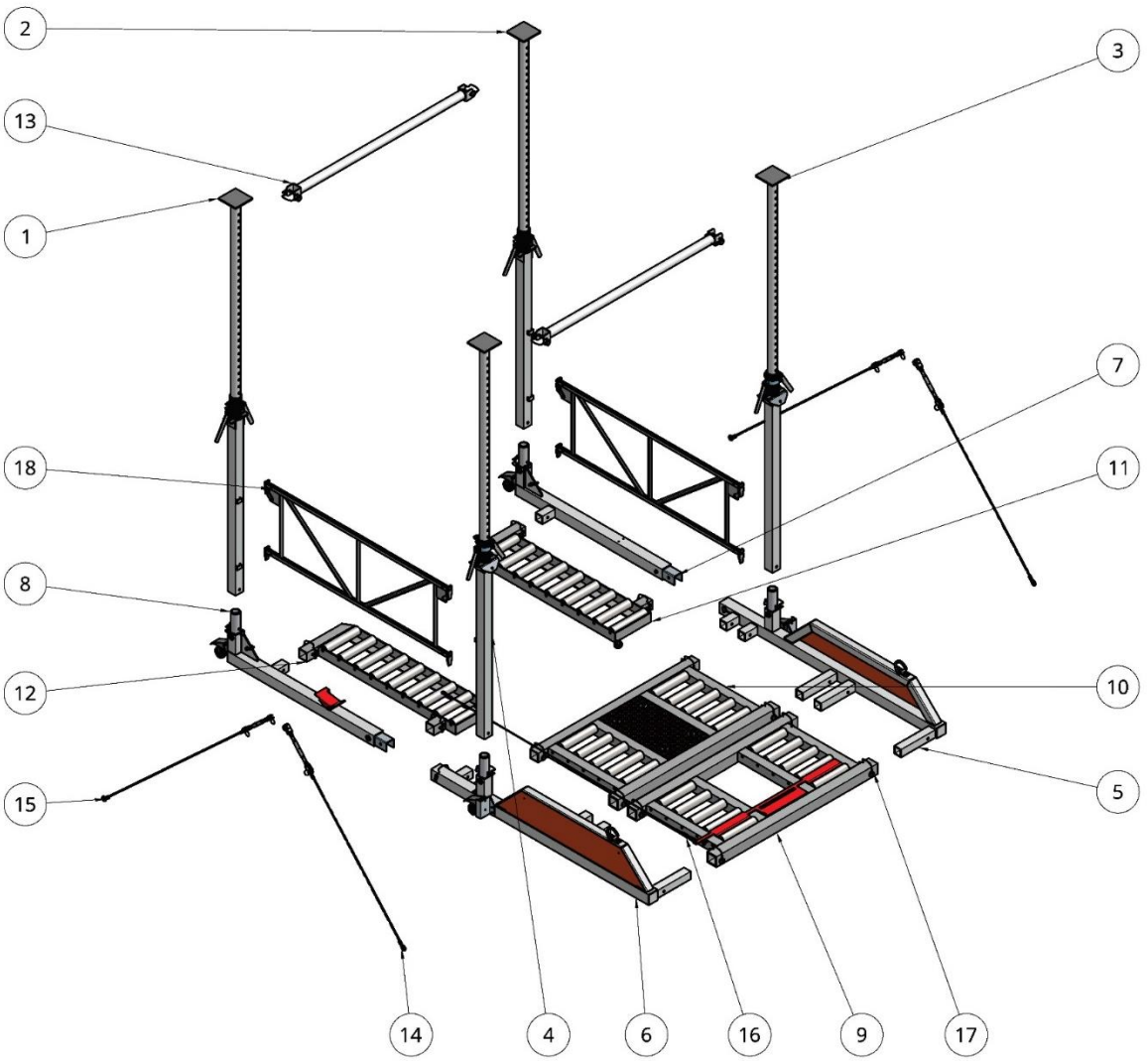
TECHNICAL SPESIFICATIONS

Inner width (Max load width)	1400 mm
Total width (Included maneuvering wheels)	1780 mm
Length of part inside building	2000 mm
Length of part outside building	1300 mm
Total length	3300 mm
Minimum floor hight/ceiling height	2200 mm
Maximum floor hight/ceiling height	3250 mm*
Height from top rollers to floor	85 mm
Width U track for pallet jack	570 mm
Tare weight total	259 kg
Max. Load capacity (WLL)	1500 kg

*Custom made sizes available upon request.

NB! This user manual is for both standard Liftroller Floor model and for custom Liftroller Floor models. The values stated above may therefore deviate on some models.

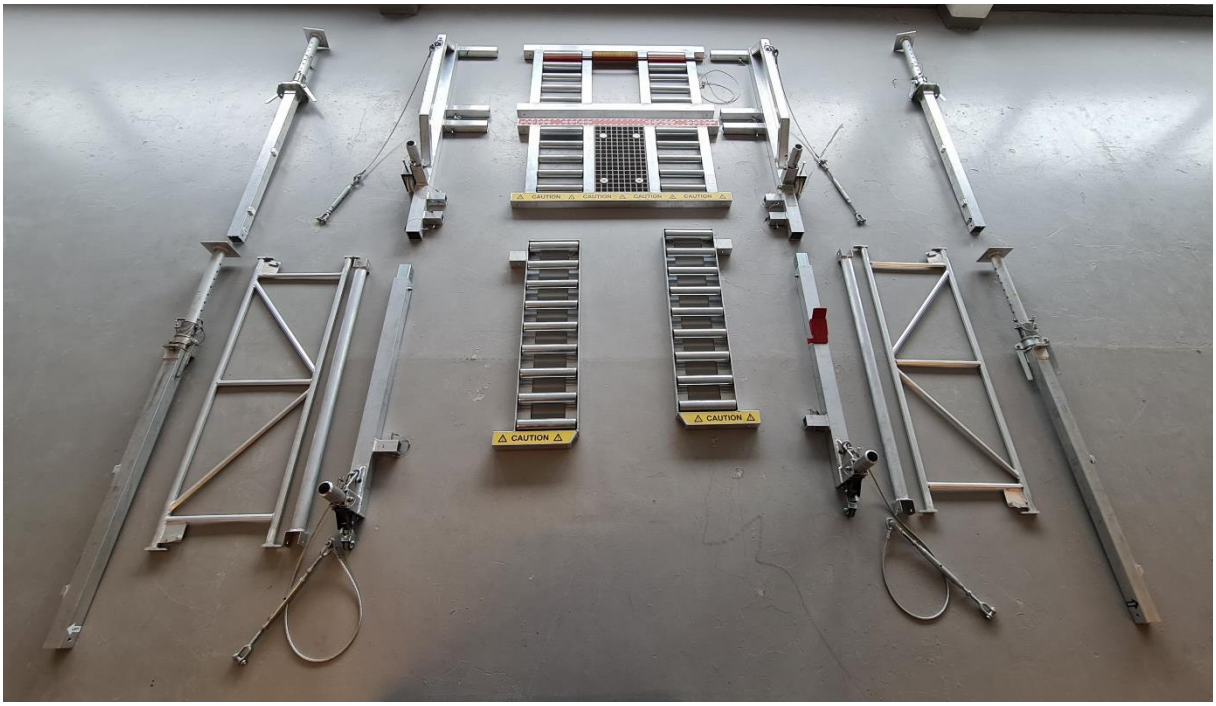
DECRIPTION



Item	Quantity	Name
1	1	A02 Rear Roof Support
2	1	A02 Rear Roof Support
3	1	A03 Front Roof Support
4	1	A03 Front Roof Support
5	1	A04 Front Frame Assembly Left
6	1	A05 Front Frame Assembly Right
7	1	A06 Rear Frame Assembly Left
8	1	A07 Rear Frame Assembly Right
9	1	A08 Front Roller Module

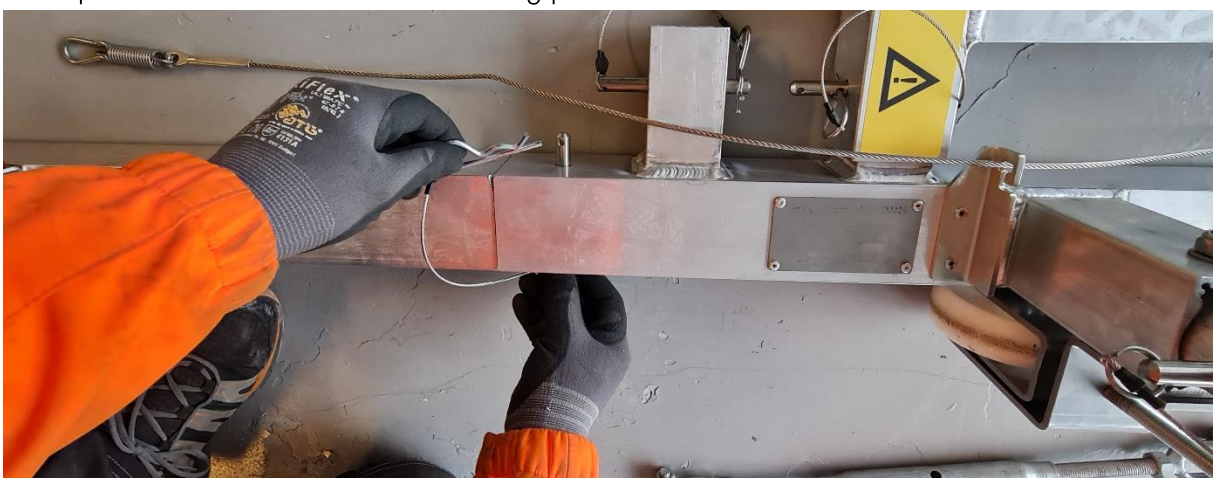
Item	Quantity	Name
10	1	A09 Middle Roller Module
11	1	A10 Left Rear Roller Module
12	1	A11 Right Rear Roller Module
13	2	A13 Truss Bar
14	2	A17 Front Wire Assembly
15	2	A18 Rear Wire Assembly
16	1	A23 Load Stopper Wire Assembly
17	20	Locking Pin Assembly
18	2	Aluhak GBO 1.6m

ASSEMBLY



1. Spread the parts out on the floor to ensure that you have all the required components. See page 5 for a list of parts. We recommend that you keep the edge protection barrier in place until you are ready to wheel the Liftroller Floor to the slab edge. This allows you to work safely without a harness when assembling the loading ramp.

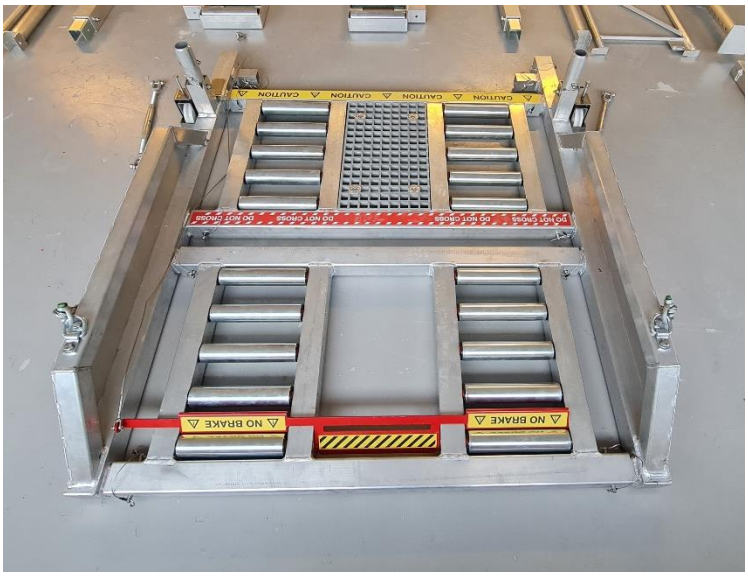
   Lock the parts together using part no. 17_Locking pin Assembly as shown in the picture below. There are 20 locking pin assemblies in total.



ASSEMBLY

2. Insert part no. 9_Front Roller Module into part no. 5_Front Frame Assembly Left and lock the two together using part no. 17_Locking pin Assembly.

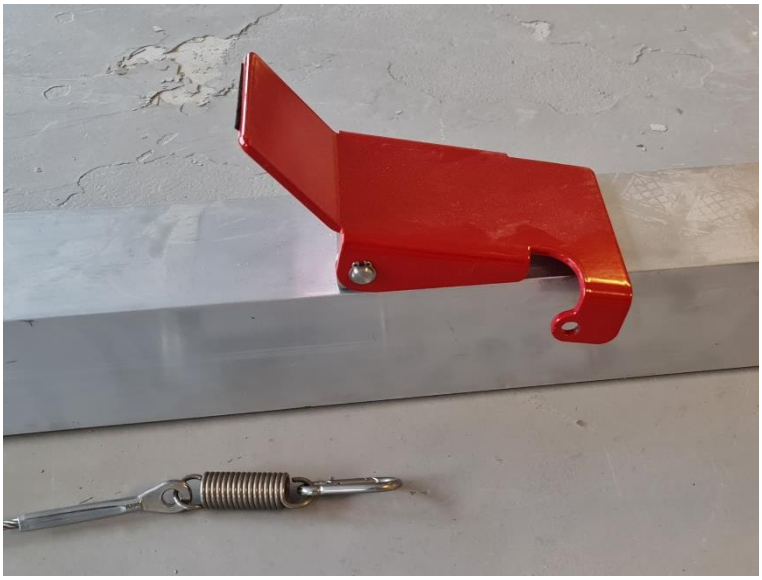
3. Insert part no. 10_Middle Roller Module into part no. 5_Front Frame Assembly Left and lock the two together using part no. 17_Locking pin Assembly.

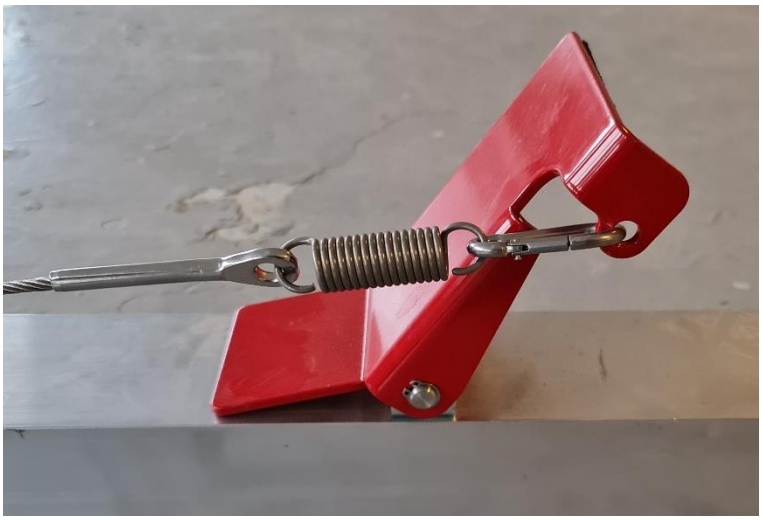


4. Insert part no. 6_ Front Frame Assembly Right into parts no. 9 and 10 and lock them together using part no. 17_Locking pin Assembly.

   Tips: Try raising the roller module slightly if it is difficult to insert the locking pin into the hole.

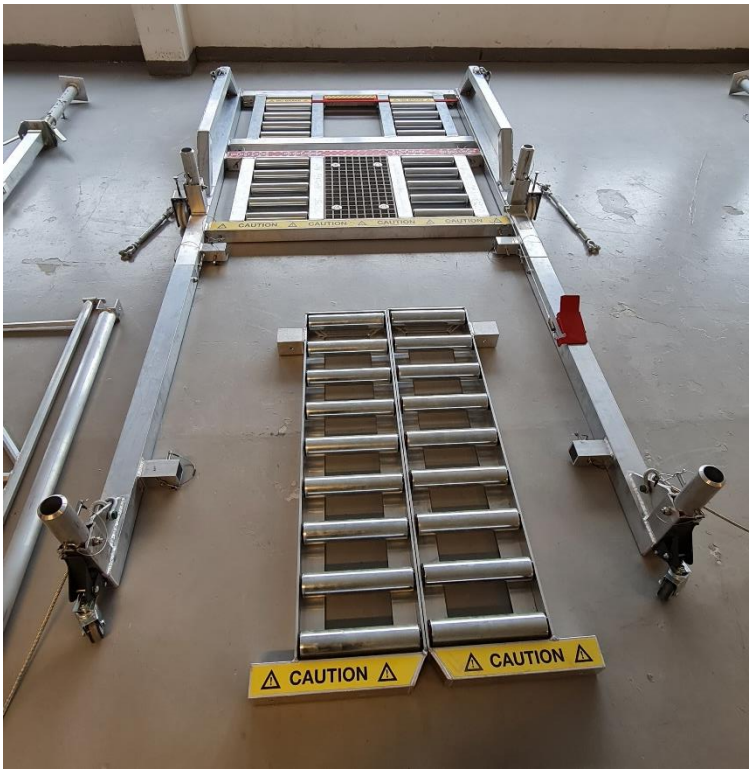
ASSEMBLY





5. Connect the wire from part no. 16_Load Stopper Wire Assembly to the brake pedal. Place the wire in the track as shown in the bottom picture.

ASSEMBLY



6. Insert part no. 7_Rear Frame Assembly Left and part no. 8_ Rear Frame Assembly Right into parts no. 5 and 6 (Front Frame Assembly) and lock them together using part no. 17_Locking pin Assembly.

7. Insert part no. 11_Left Rear Roller Module and part no. 12 Right Rear Roller Module into parts no. 7 and 8 (Rear Frame Assembly) and lock them together using part no. 17_Locking pin Assembly.

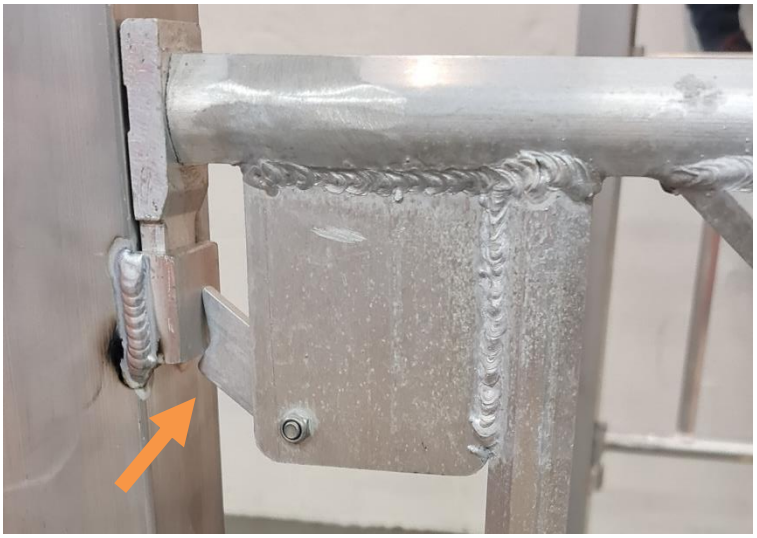
ASSEMBLY

8. Attach all 4 props (2 x Rear Props and 2 x Front Props.) Fix them to the bottom frame using part no. 17_Locking pin Assembly.

The props are marked with an arrow and Left/Right to indicate their position (see bottom picture). The two front props have a double wire attachment. Ensure that the railing brackets are facing the right way. See next page.

ASSEMBLY

9. Attach the railings (part no. 18_Aluhak GBO) to the side (1.6 m long) and the rear railing to the back (1.45 m long).



Lock the railings by twisting the locking bracket into place as shown in the bottom picture.

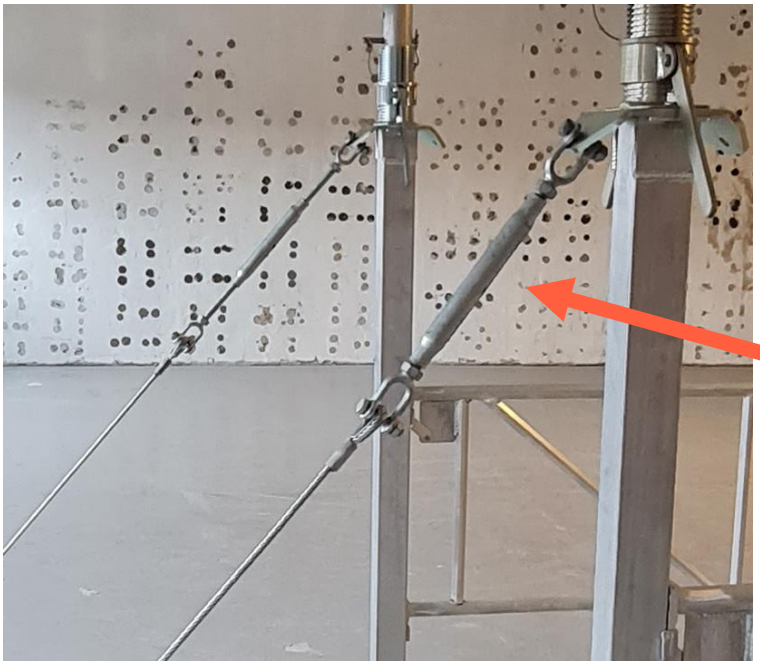
ASSEMBLY

10. Attach 2 x part no. 13_Truss Bar between the props at the front and back. Lock them using part no. 17_Locking pin Assembly.

For every five holes there is a mark on the aluminium column. This is designed to help with attaching the truss bars in the correct place on both sides. The truss bars aid assembly by ensuring equal distance between the props. It is advisable to fit them as high as possible so as not to obstruct high loads.

ASSEMBLY

11. Attach all 4 diagonal wires to the front props. Part no. 14_Front Wire Assembly and part no. 15_Rear Wire Assembly. Lightly tighten them by hand using the turnbuckle.



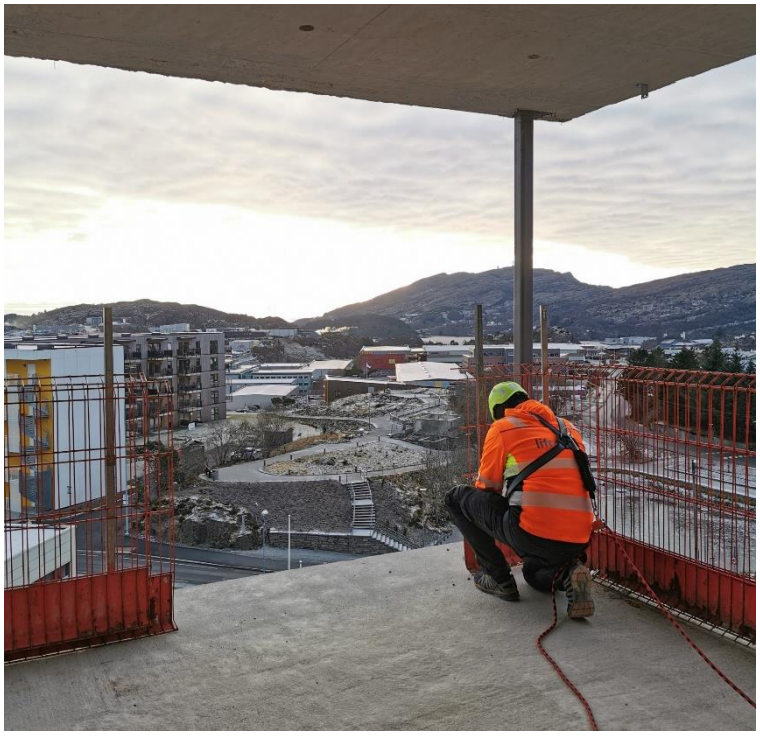
Close-up of turnbuckle.

ASSEMBLY

12. Depress the pedal on the rear wheels to lift the rear frame off the floor.

13. Tighten the screw on the front wheels to lift the front section off the floor.

ASSEMBLY



<u>For further assembly:</u>
Use appropriate personal protective equipment as prescribed for your construction site.

14. Remove the edge protection barrier where you will be using the Liftroller Floor. The opening must be at least 180 cm wide.

15. Adjust the height of the prop to leave a 10 cm gap to the ceiling.

16. Wheel the Liftroller Floor to the allocated opening in the edge protection barrier. Ensure that the wheels by the front prop do not roll off the floor. Recommended distance from wheel to the slab edge is min. 10 cm.

17. Flip the rear pedal to lower the frame onto the floor.

18. Loosen the screw by the front wheel to bring the frame to rest on floor.

19. Tighten all 4 props against the ceiling.

USER MANUAL

1. Remove the rear railing when using the Liftroller Floor for inbound/outbound transportation. Park it securely when finished to prevent fall accidents.

2. You must secure yourself to the rear structure with an EN 795B-approved anchor device (sling) before moving inside the railings of the Liftroller Floor. Use an EN 358-approved fall arrest system. (Adjustable work positioning lanyards with max. length 2 metres). This gives you enough reach to move onto the anti-slip platform in the middle of the conveyor but no further.

USER MANUAL

1. There is a load stopper at the front of the conveyor. It should be in the upright position during use. It is spring-loaded, and will come down when a pallet is loaded onto the conveyor with a crane and bounce back behind the pallet when the latter is rolled in.

2. For outbound transportation, roll the load out until it reaches the load stopper. Attach the load to the crane, then depress the red pedal (see picture below). This lowers the stopper to enable the load to be rolled further before being lifted off.

3. NB! Remember to return the pedal to the default position to activate the stopper.

MAINTENANCE

- The rollers are fixed with screws at both ends. The screws may loosen after a period of extended use. Check them at least quarterly and retighten with a 5 mm hex key.
- Regularly check that all moving parts are operating freely. Wipe off visible dust and dirt from a profile before inserting it into another during assembly.
- Inspect all parts before use. If you identify damage to any part of the product, do not use the product until the damage has been repaired. Remember to check welding joints for cracks and deformation. Check the wires for weaknesses.
- Regular inspection and maintenance along with dry storage will extend the product's life span.
- Exposing the product to sudden impact can cause deformities which may impede assembly/disassembly.

liftroller

Industry

EC - Declaration of conformity
CE - Déclaration de conformité
EG - Konformitätserklärung

Holder of Certificate:

CE

Liftroller AS

VAT registration number 911687321
Leirvikåsen 45
5179 Godvik
Norway

This declares that the following designated product

Model:	**Liftroller Floor max load 1500 kg**
Descripion:	The Liftroller Floor model is an aluminum construction with rollers. Designed for moving goods through façade openings.

Complies with the essential protection requirements of the European Parliament and of the COUNCIL Directive 2004/108/EC on the approximation of the laws of the Member States relating to safety requirements and verification.

This declaration applies to all specimens manufactured after the issue of this declaration.

Assessment of compliance of the product is produced in accordance with harmonized standard and Conformity is assured according to the following standards:

- **NS-EN ISO 10042:2018 Welding — Arc-welded joints in aluminium and its alloys**
- **2006/42/EF EU Machinery Directive of the European Parliament and the Council**

Identifications of regulations/ standards

Godvik 01.12.2020 **Ivar Ole Wik, CEO**

Place and date of issue

StartBANK

This declaration of conformity is issued under the sole responsibility of the manufacturer or representative. It certifies compliance with the indicated Directive, but implies no warranty of properties.