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PLATFORM STAIRLIFT  
PANORAMA LIFT  
VERTICAL PLATFORM LIFT  
ENCLOSED ELEVATOR

**ascendor**<sup>®</sup>  
LIFTTECHNIK

# PLATFORM STAIRLIFT “STRAIGHT” & “CURVE”

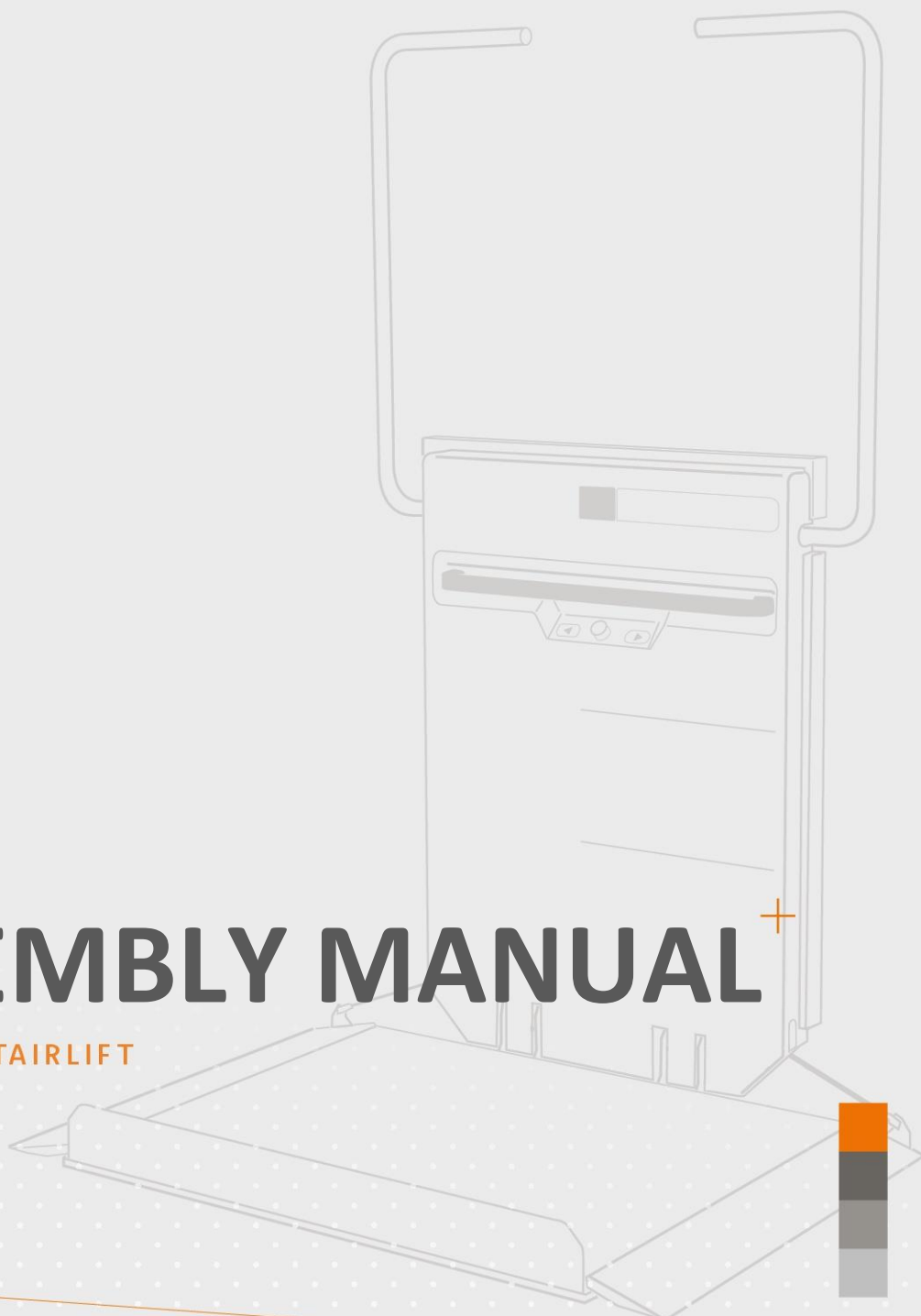


**EASY  
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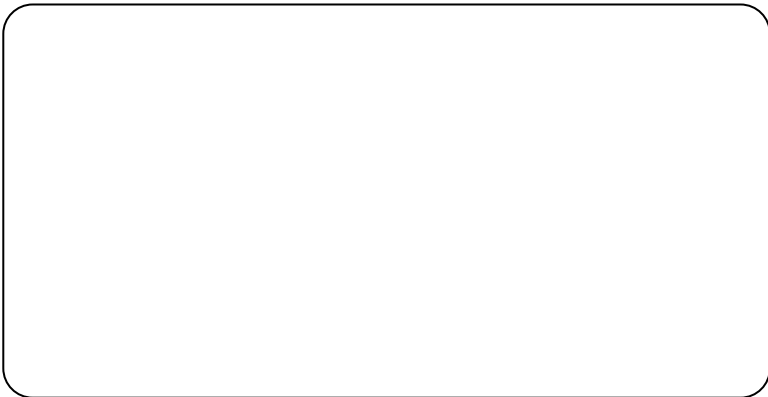
# ASSEMBLY MANUAL



PLATFORM STAIRLIFT



My ASCENDOR-Dealer:





# Assembly Manual

## Platform Stair Lifts “Straight” & “Curve”

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Version 4.00

Part 2 / 3 of the translated Original User Manual

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For further information, refer to the other parts of the **translated Original User Manual**:

- Part 1: Operators Manual
- Part 3: Maintenance and Service Manual

We also recommend that you read the following documents before starting installation:

- Fastener Reference Guide (incl. Order Form)
- Assembly Tools and Spacers Guide

Version:	Issued:	Revision:
V4.00	27.06.2024	New version for Series 12 Platform Stair Lifts

Lift Type:	Series No.:
PLG7 “Straight”	From series PLG7-12-xx
PLK8 “Curve”	From series PLK8-12-xx

## 1 Introduction

This assembly instruction manual is designed to assist you during the installation of the platform stair lift.

Although the information and photographs printed in this manual illustrate a particular stair lift, the description is still relevant for all other installations.

Please note that this manual contains instructions for the installation of parts and equipment, which are not included in the standard scope of supply with our lifts (optional extras).

The instructions in this assembly manual describe equipment and tools that were available at the time of writing. Due to the continuous development of our products, we reserve the right to alter the contents and technical data without consultation or prior warning.

This part of the user manual is intended for use by trained installation technicians who are experienced in the installation of this product.

### 1.1 Health and safety regulations

#### **! NOTE !**

In the interest of your own well-being and the safety of third parties, please observe international health and safety regulations and the applicable national laws at all time.

#### **! ATTENTION !**

This lift is manufactured in compliance with the relevant international and national health and safety directives. However, this alone cannot guarantee safety and security. Incorrect operation or misuse of this product can eventually cause heavy injuries of the user or third parties and result in damage to the lift and its surroundings.

### 1.2 Notes for installation

- The installation of the platform stair lift may only be carried out by the trained personal of an Ascendor partner.
- This manual is designed to assist you during the installation and especially with the mounting of the travel rails of the platform stair lift.
- The travel rails of the platform stair lift may not be altered (extended or shorted).
- The stability of the walls, onto which the stair lift is to be mounted, must be assessed on site by a qualified fitter.
- An installation drawing, containing exact dimensions and specific instructions is provided with each stair lift. The dimensions and installation instructions must be observed at all times!
- A 230 V power socket or supply cable L/N/PE 3x1,5mm<sup>2</sup> must be either present at one of the two lift stations (upper or lower station) or be fitted during the installation.

### 1.3 Specific demands on the installation fitters

The installation fitters must be employed and trained by an Ascendor approved partner.

The fitters must be able to assess on site the load bearing capabilities of the walls and supporting elements to which the lift and its equipment will be attached.

They must be capable of reading and understanding the Ascendor installation drawings and the instructions that are provided with each lift.

**NOTE: Ascendor accepts no responsibility or liability for this work.**

## 1.4 Additional information for the fitters

The weight of the lift varies between 125 and 140 kg, depending on the size of the platform and the number of batteries installed.

The **Ascendor Transport Trolley** (see [paragraph 8.2](#)) or some form of carrying straps or wheeled assistance to transport of the lift unit should be made available whenever possible.

The travel rail of the stair lift consists of one or more parts that can vary from 1 to 5 meters in length.

In case of uncertainty or should questions arise, please refer to your Ascendor partner or call our customer service directly at +43 (0)7282/21900-525.

## 1.5 Personal safety equipment

During installation, personal safety equipment must be worn at all times to reduce the risk of injuries.

The following equipment must be worn at all times during installation.

- General safety equipment:



- Additional clothing required when angle grinders or power drills are in use:



## 2 Installation schedule

The following steps should be carried out before proceeding with assembly:

- **Check if the contents are complete and that no transport damage has incurred during delivery**
- **Take the installation drawing and check that the actual dimensions and angle of the staircase correspond with those in the drawing.**

If any major differences are discovered between drawing and the actual on-site dimensions, please contact Ascendor before continuing with the installation!

Providing no problems have been encountered with lift or location, proceed with assembly and installation

- Unpack, assemble and adjust the travel rails
- Locate and attach the uppermost travel rail mounting bracket onto wall (or stanchion if lift is mounted on these) using 'X' and 'Y' dimensions in drawing.
- Position and align the travel rails, ensuring mounting brackets are positioned vertically.
- Partially fasten the travel rails (onto wall or stanchions) along the complete route.
- Hang the platform stair lift onto the travel rails and undertake a test journey **without a load on the platform** along the complete route to check for any collisions or problems.
- Now securely attach the rails to wall or stanchions along the travel route
- Fit the limit switches
- Install the battery recharger and external remote controls
- Complete the installation and tidy up workplace
- Finally, carry out a function test of the complete lift system in accordance with the form provided at the end of this document (see [paragraph 17](#)).
- Hand over the lift to the customer and train the customer

### 3 Tools required for installation

Ascendor recommends the following installation tools are available:

- Additional light sources for installation work
- Suitable attaching material for existing walls or mounting surfaces
- Tape measure
- Spirit level, short, with digital display
- Spirit level, long approx. 1500mm
- One-hand bar clamps
- Cordless screwdriver incl. extender and drill bits
- Manual tools:
  - Socket wrench set with extensions and various inserts
  - Multi-purpose pliers
  - Set of Allen keys
  - Set of TORX (star head) keys
  - Wire cutter
  - Wire stripper
  - Crimping tool
  - Selection of screw drivers (to suit a wide variety of screws)
  - Screw wrenches
- Power drill incl. concrete drills
- Drills and tapping drills for threads and countersinks
- Angle grinder
- Vacuum cleaner
- Draw wire or tape (for fitting electrical cable)
- Paint to touch-up minor scratches and blemishes
- Stainless steel cleaning spray
- Lubricating spray (WD40)
- Lint-free, non-scratching cleaning clothes
- Multimeter
- Electrical belt sander with horizontal or vertical belt guide for grinding travel rail pipe joints



## 4 Preparations before commencing with installation

### 4.1 Check Lift Unit and ancillaries are undamaged

Check all packaging, e.g. the lift unit (wooden crate), the packaging of the travel rails and if applicable, the packaging of support brackets or protective covering (installed between stanchions) for any signs of damage. If any damage is found, take photos and record this immediately. Please register the details with the haulage company responsible for the delivery of the lift unit and also with Ascendor - without delay!

Open the wooden crate with the aid of a cordless screwdriver. Check that all the contents of the crate are present and undamaged.

Remove the **cardboard box** containing the installation drawing and fitting materials from the crate. Check that the contents are complete.

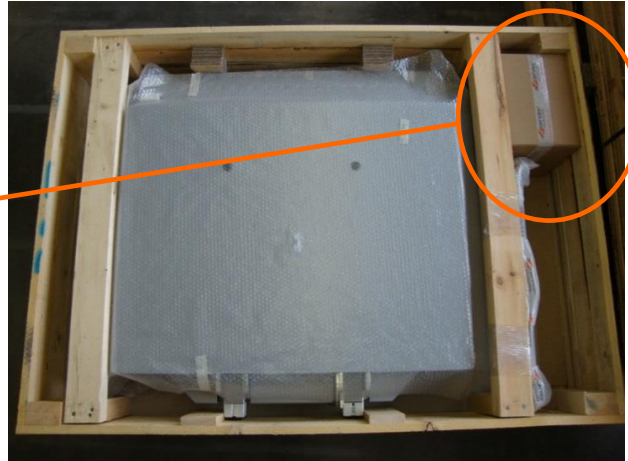
(Fixing material see [paragraph 5.1](#))

Remove the installation drawing and familiarise yourself with the dimensions and information included with the layout.

See sample drawings in [paragraph 15](#).

Remove the travel rails from the packaging, check for damage and then check that the delivery is complete by comparing everything with the delivery note/package slip.

Prior to the start of installation, the construction site must be inspected to ensure that the customer has made all necessary preparations in accordance with the instructions in the relevant drawings.



Here you will find all videos to support the assembly

[Youtube-Link](#)



## 4.2 Check on-site dimensions with installation drawing

Before completely unpacking the lift, rails and stanchions, we advise you to carefully check and compare the dimensions of the staircase with the details on the installation drawing.

Should you discover any major deviations in dimensions or angle of inclination **DO NOT** proceed with installation! Please contact the dealer or Ascendor directly.

**Check for possible underfloor heating, other piping or electrical wiring in walls and floors!**



Check and compare dimensions, particularly unusual details with information on drawing.



Check and compare angle of staircase using a long straight edge and digital spirit level.

Compare and check the following dimensions and details in the drawing with the actual dimensions on-site:

- Nose-to-Nose
- Height of 1<sup>st</sup> step
- Angle of inclination (stairs and lift rails)
- Horizontal dimension (depth) of staircase
- Vertical dimension (height) of staircase
- Space available in front of 1<sup>st</sup> step (*if dimension is critical due to lack of space*)
- Width of stairs
- Sloping surface at bottom station (*important for outdoor installations*)
- Wall surfaces where travel is mounted are even and vertical

Take the opportunity to check the complete installation area for any possible obstacles or shear points that might have been overlooked during initial survey!

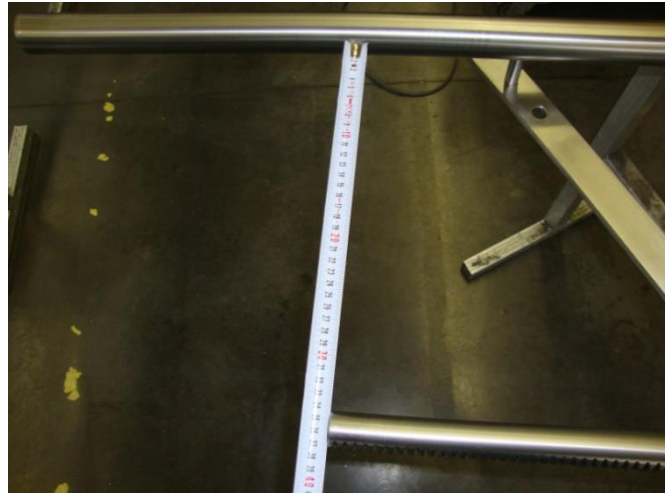
### 4.3 Adjusting the travel rails – lift type “Straight”

Before installing the runway, set dimension A between the handrail and the toothed rack (tolerance +/- 1 mm).

Please take the dimension "A" from the installation drawing supplied. The A dimension is measured 90° between the **inside of the handrail** and the **inside of the rack**.

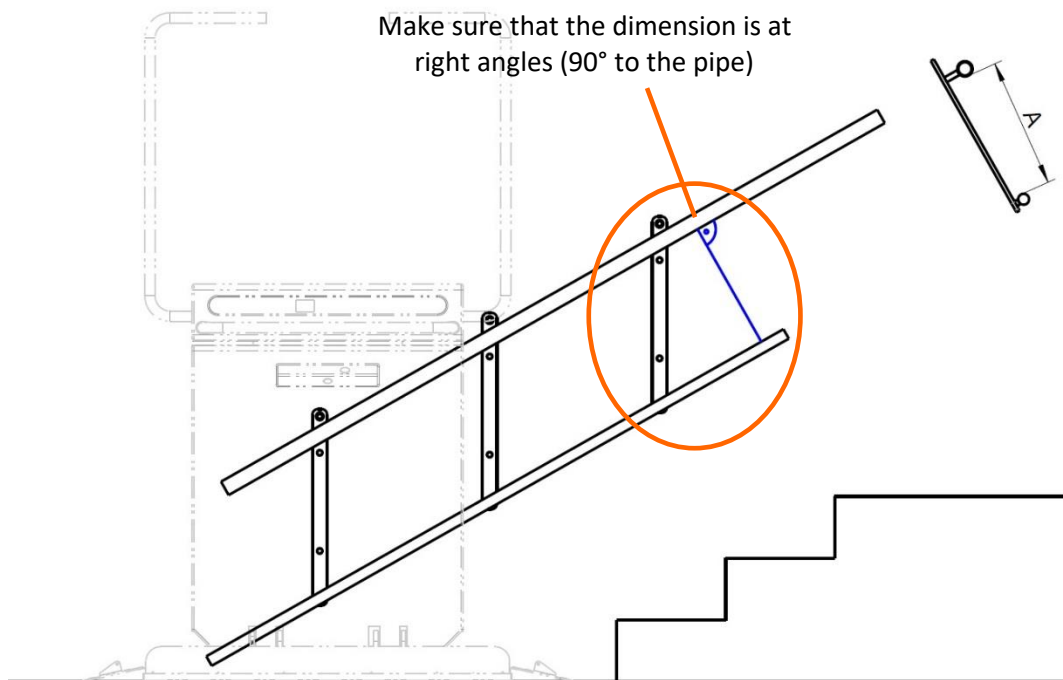
After adjustment, all screws must be firmly tightened!

**Caution: When tightening the screws, there is a risk that the set A dimension will change.**



**TIP:**

- For mounting side left, set A dimension approx. 40 mm larger.
- Tighten the screws
- The screws are tightened by pressing the track together to the required A dimension. For the right-hand installation side, set the A dimension approx. 40 mm smaller, otherwise follow the same procedure as for the left-hand installation side.



### 4.4 Adjusting the travel rails – lift type “Curve”

#### 4.4.1 Welded travel rails

If the travel rails are of the welded variety, no adjustment is required - or possible! The 'A' dimension is fixed.

#### 4.4.2 Bolted travel rails

If the travel rails provided are bolted together, if provided in disassembled form they must be bolted together beforehand and the 'A' dimension adjusted as previously described in [paragraph 4.3.](#)

## 5 Attaching the travel rails

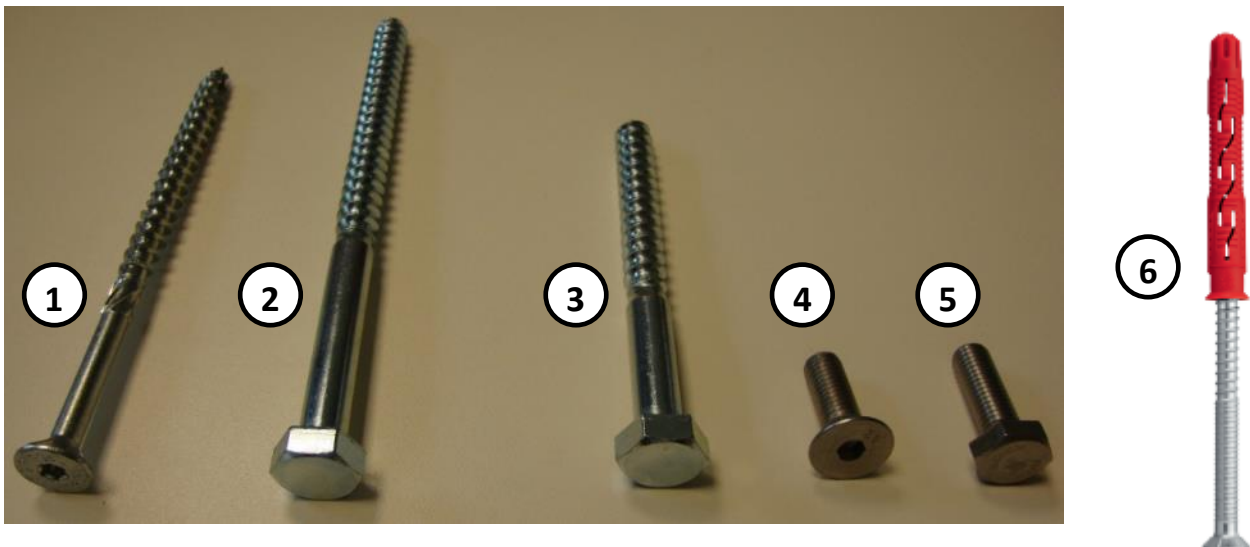
The fitter must decide on-site, which materials are the most appropriate and have to be used.

**ATTENTION!** - Ascendor accepts no responsibility or liability for this work.

### 5.1 Choosing the correct attaching parts

The **fastening guide from Ascendor** can be used as an aid for selecting the correct fastening material (see link)

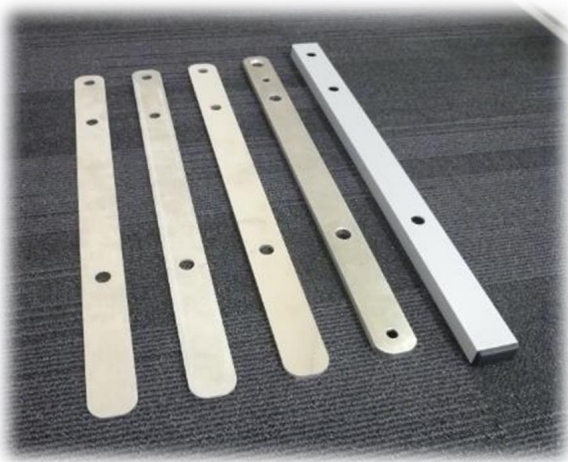
[Link to fastener guidelines](#)



The screws marked red are NOT included in the accessory box (see [paragraph 4.1](#)) as standard. The screws marked green are included in the accessory box (see [paragraph 4.1](#)) (for column mounting or door with "PLV9").

No.	Type of installation	For attaching the following:	
1	Wall	- Travel rail bracket by top hole only.	Red
2		- Travel rail bracket by the two lower holes	
3	Stanchion	- Stanchions by baseplate to the floor and stairs	Green
4		- Travel rail bracket by top hole only	
5		- Travel rail bracket by the two lower holes	
6	Door (only for "PLV9")	- Frame dowel for L-angle	Green

## 5.2 Auxiliary assembly material



Ascendor spacers help to compensate for structural unevenness and obstacles during installation. These parts are fitted between the track brackets and the wall or supports and are supplied to order.

You can find an overview of the available installation aids under the following link:

[Link to auxiliary assembly material](#)



Please call our Sales Department for details.

## 6 Wall mounted travel rails

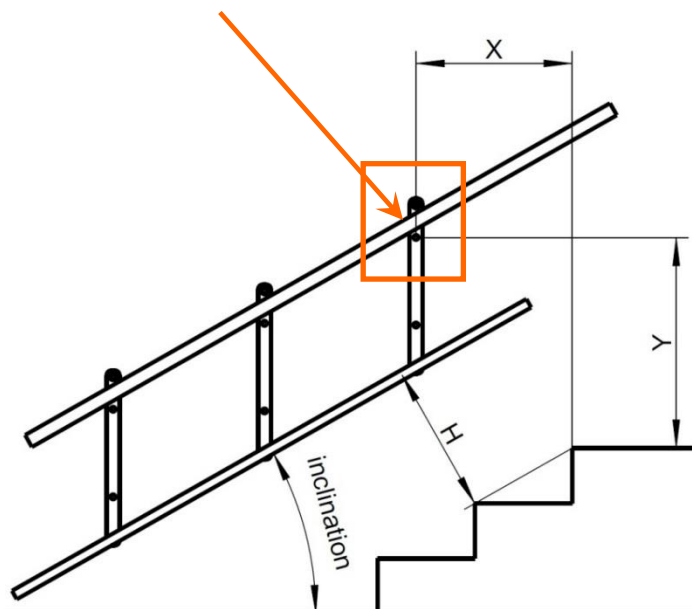
### 6.1 Measurement of the first mounting hole

#### IMPORTANT!

The track sections are always numbered from top to bottom.

Part 1 = the uppermost section of the rail

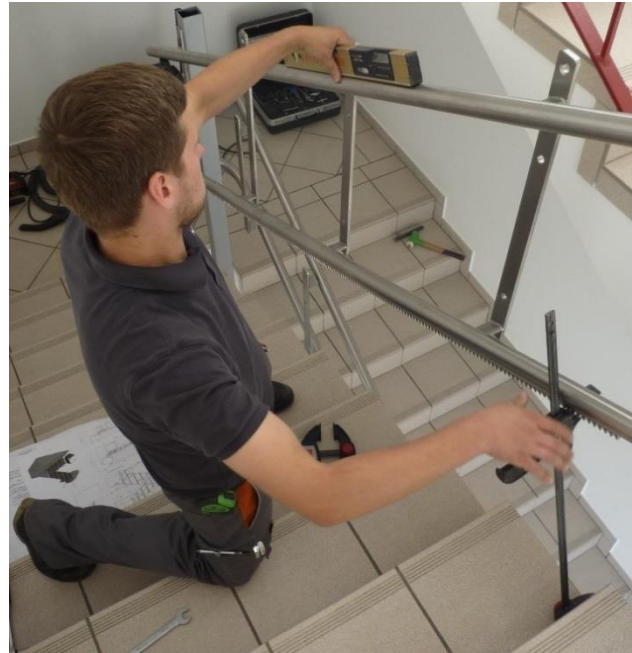
Locate the position of the middle locating hole (second from top of mounting bracket). Use the 'X' and 'Y' dimensions as indicated below on the installation drawing (refer to [paragraph 15](#)).



1. Drill the hole for the first fastening point and fasten the track at this point using the appropriate fasteners. Select the correct fastener depending on the nature of the wall. It is important that the bracket is aligned vertically! Once the angle is set correctly, continue with the installation of the rails.

## 6.2 Adjust the travel rail angle

- Align the fixing bracket vertically with the specified X -Y dimension and also fix the bracket to the lower fixing point.  
Then use a digital spirit level and one-handed clamp (as shown) to adjust the slope of the track as indicated on your installation drawing..



## 6.3 Check the 'H' dimension

- Note the 'H' dimension is a guideline and may be subject to minor deviations.  
Be aware that if the actual distance is less than in the drawing, there is an increased risk of the open platform colliding with edge of the steps.  
The 'H' dimension is dependent on the angle of travel rails and platform size and can be checked with the '**H**' dimension table (see [paragraph 16](#))

### IMPORTANT !

- It is important to ensure that the fixing lugs between the handrail and the rack run vertically.
- The H dimension between the center line of the rack and the edge of the step may only be slightly smaller, otherwise there is a risk of collision with the edge of the step..



**NOTE:** Failure to observe this dimension will result in a collision between the platform and the stairs!

**Recommendation:** Before fixing the guide rail with all the fixing holes, we recommend attaching the drive unit as described in [paragraph 8](#) and carrying out a **test run without a load** with a collision check.

## 6.4 Securing the travel rail mounting brackets



The travel rail mounting brackets must be attached to either the wall or a stanchion three times per bracket.

- Use a **countersunk head screw** at the top hole!
- Use **two hexagonal head screws** at the middle and bottom mounting holes

These are positioned between the handrail and toothed rack and are **not** allowed to protrude more than 20mm from the front face of the bracket!

Refer to [paragraph 5.1](#) for information regarding the correct attaching parts for wall or stanchion installation.

## 7 Mounting travel rails on stanchions

### ! NOTE !

The roadway sections are always numbered from top to bottom

- Part 1 = uppermost part of the roadway

### 7.1 Numbering of the stanchions

Unless otherwise indicated on the assembly drawing, the numbering of the stanchions always starts from the bottom e.g.: **Stanchion 'A'** = lowest stanchion.

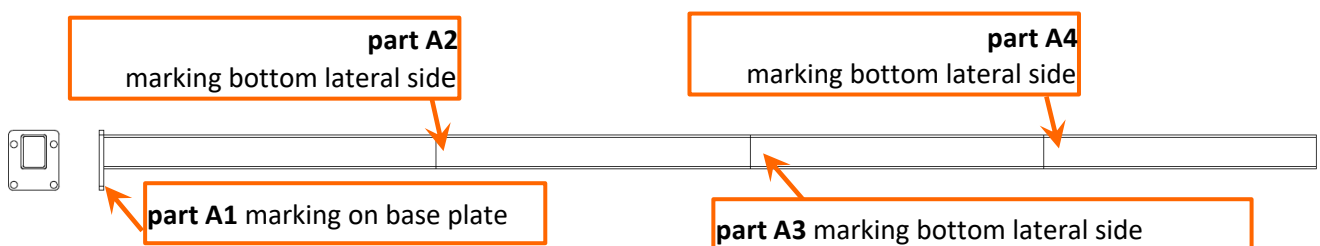
To simplify the identification of the stanchions, the stanchions are marked with numbers or letters. The marking is described below.

Standard stanchions: are marked with numbers **1-18** on the underside of the base plate:

1 = 800mm	6 = 1050mm	11 = 1300mm	16 = 1550mm
2 = 850mm	7 = 1100mm	12 = 1350mm	17 = 1600mm
3 = 900mm	8 = 1150mm	13 = 1400mm	18 = 1650mm
4 = 950mm	9 = 1200mm	14 = 1450mm	
5 = 1000mm	10 = 1250mm	15 = 1500mm	

Special stanchions: are marked on the underside of the base plate with letters A-Z according to the installation drawing.

Long, multi-part stanchions: are marked on the underside of the base plate or on the lateral side of the rectangular tube. The parts are numbered from bottom to top, e.g. part A1 = part with base plate. For parts without base plate, please note that the marking must be at the lower end.



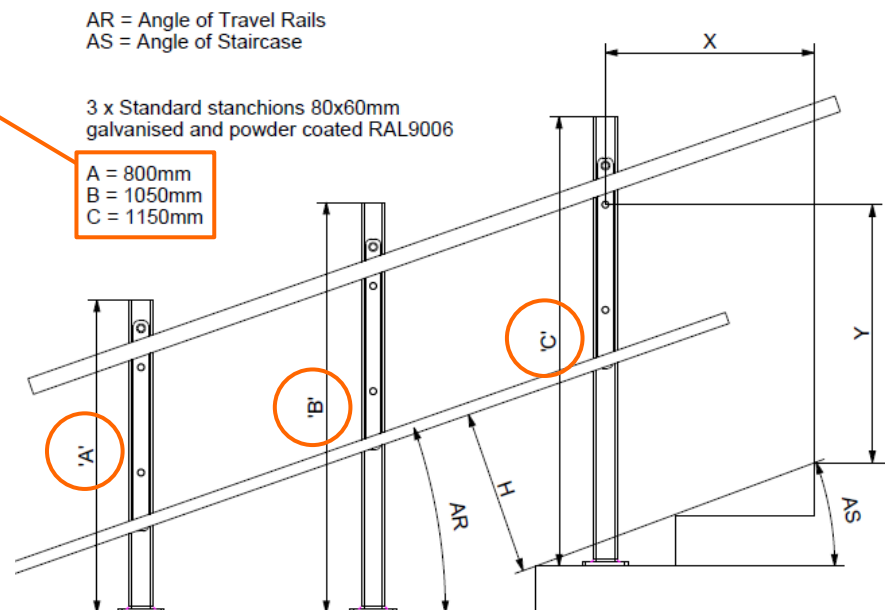
## 7.2 Locating the position of the first stanchion

Unless otherwise noted on the installation drawing, locate and mark the '**X**' dimension (clearance from the front edge of the uppermost step to the middle of the supporting bracket) clearly on the wall or step.

Ensure each stanchion is the correct length by referring to the information on the drawing.

Position the stanchion correctly observing clearances to the walls and between each step and \*middle of stanchion.

Once this is completed, the locating holes for the stanchion can be drilled.



Once the stanchion has been secured to the stairs, use a drilling template (see [paragraph 7.4](#)) to mark the correct height and drill the three holes required to attach the travel rails in the stanchion.

Set up the support according to the installation drawing, paying attention to the distances to the wall, from the step to the middle of the support, etc. Once this has been done, you can drill the holes for the support on the staircase.

Select the correct fastener depending on the nature of the substrate. The appropriate fastening technique must be decided and applied on site by the fitter.

Ascendor GmbH accepts no liability for this fastening.

**IMPORTANT** - Ensure that the supports are aligned vertically and fixed flush with the stairs.

## 7.3 Adjusting and installing the travel rails

Adjust the travel rails as described in [paragraph 4.3](#) or [paragraph 4.4](#) prior to installation.

Attach the travel rails to each securely mounted stanchion with three fastening screws per mounting bracket. For the correct combination see [paragraph 6.4](#) and for attaching parts see [paragraph 5.1](#).

**IMPORTANT:** Ensure the mounting brackets are vertically aligned.

Adjust the travel rail angle as described in [paragraph 6.2](#).

You will find an overview of the available assembly aids - described in chapters 7 and 8 - under the adjacent link

Please direct your inquiries to our sales department

[Link to assembly aids](#)





## 7.4 Drilling templates for stanchion mounting



The Ascendor drilling templates can be held in place with one hand. They can be quickly positioned over the stanchions and are fitted with durable bushings located in the positions to match the holes on the mounting brackets.

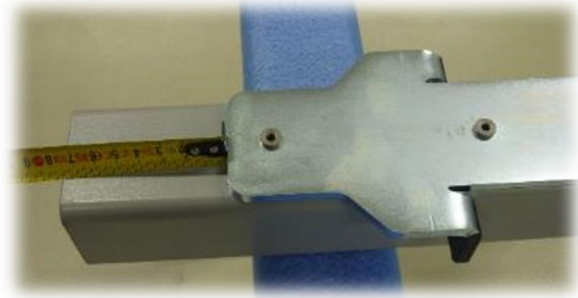
On the left: **Ascendor Drilling Templates** for top **“Straight”** and bottom **“Curve”** lift types.

### Instructions for use:



Hold the template against the stanchion and measure the distance from the upper edge of the bracket to the upper edge of the stanchion.

Remove the stanchion to a suitable place for drilling the holes.



Position template accurately, either on-site or with stanchion on a workbench.

Take care not to scratch finish of stanchion (protect if necessary).



Secure drilling template firmly onto stanchion with the aid of a one-handed clamp.



Drill three pilot holes with a  $\varnothing 3,3$ mm bit.

Remove template and open out these holes with  $\varnothing 8,5$ mm bit then tap for an M10 thread.

Finally tilt stanchion to clear out swarf and debris and lubricate hole.

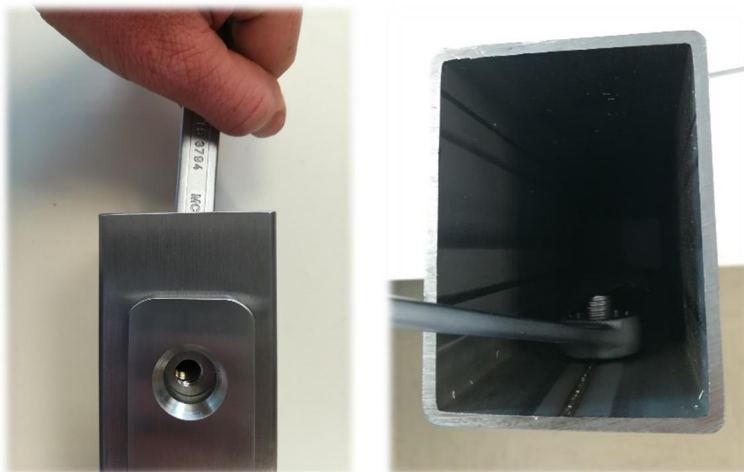
## 7.5 Mounting stainless-steel stanchions



The fixing of stainless-steel stanchions is slightly different from the powder-coated steel stanchions, as the material thickness is only 3mm. For each stainless-steel stanchion an additional M10 nut is supplied, which must be used at the uppermost hole of the countersunk screw.



For easier fastening of the M10 nut, mask the AF 17 wrench with insulating tape and then insert the M10 nut.



For the **uppermost hole**, instead of a M10 thread, drill a **Ø11mm hole** in the stainless-steel stanchion.

Then thread the wrench with the nut into the stanchion from above and fix the M10x30 countersunk screw.

For the two lower holes, cut a M10 thread in the stainless-steel stanchion and fix the M10x30 hexagonal screws without nut.

## 7.6 Compensation plates and spacers for mounting stanchions

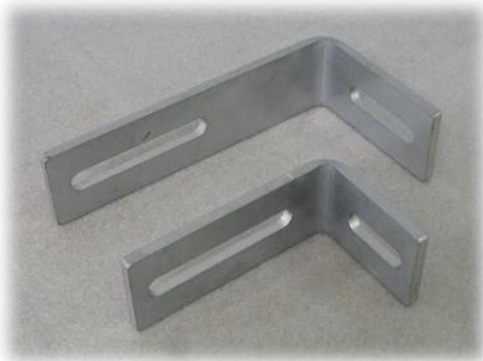
No installation location is ideal, to compensate for uneven surfaces and irregularities in the floors or on the stairs and ensure the stanchions are positioned vertically, we can offer a selection of spacers.



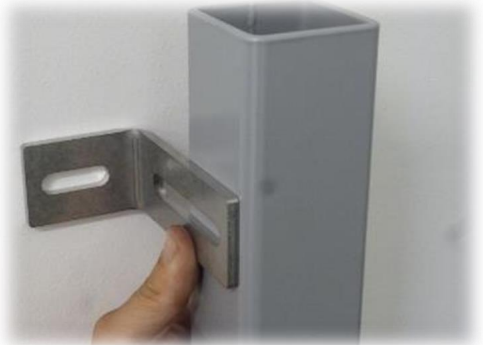
Compensation plates are available in 1mm, 2mm & 5mm thicknesses and are cut to match the size of the baseplate under which they are to be fitted.

## 7.7 Additional methods of securing stanchions

Right-angled brackets to secure stanchions to wall. Two sizes are available: 155x80mm or 100x60mm.



As shown below, the brackets are designed to guarantee extra stability where uneven surfaces or material makes standard installation difficult.



Right-angled brackets are positioned either on one side (as shown) or on both sides of stanchion, depending on the installation requirements.

Ø30x5mm stainless-steel tube spacer. Cut to length on-site, washer prevents scratches on stanchions.



This option provides a discreet and optically pleasing method of securing the stanchions to the wall. It must be selected before production.



Stanchions require two additional holes; the access hole can be hidden behind mounting brackets or covered with plastic cap as seen in cutaway above.

## 8 Mounting the platform stair lift onto the travel rails

**WARNING! - Two people will be required to hook the lift onto the rails, do not attempt this alone!**

If carrying straps are used, these may be attached to the safety bars. Only carry the lift on the points indicated in the photo on the right!

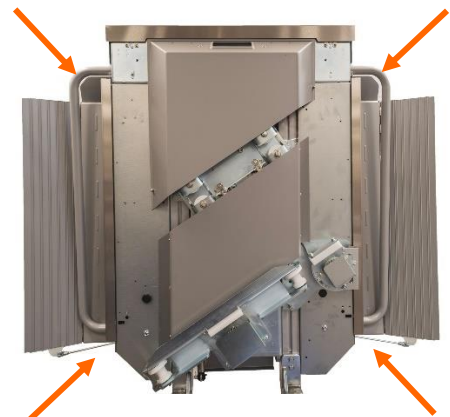
Refer to **ORIGINAL User Manual Part 1: Operating Manual**

Firstly, turn on the Main Power Switch located under the Service Access Hatch at the back of the lift.

**(See Operating Manual; Paragraph 2.4 – Service Hatch)**

Please make sure that the brass charging contacts are removed before positioning the lift onto the rails.

If all preparations have been taken, you can now insert the lift onto the travel rails with the assistance of a second person.



**ATTENTION!**

**Please take precautions to ensure that the plastic covers on the back of the lift will not get scratched or damaged!**

We recommend, wherever possible that the lift is installed from the top of the travel rails.

By pressing the appropriate travel direction button on the wall mounted or handheld remote controls, you can now move the lift onto the rails.

**ATTENTION!**

Before hooking the lift onto the rails, the lift must be set up vertically.

Make sure that the gear wheel of the emergency brake fits properly onto the (lower) toothed rack.

If the teeth do not mesh correctly, the emergency brake can become damaged!

## **8.1 Conical installation rail insert**

The weight of the lift unit means that the act of mounting it onto the travel rails is a strenuous and complicated task. The following tool is designed to ease this particular phase of installation.



This 26cm long conical insert, manufactured from durable Polypropylene (PP) is designed to fit directly into the end of the uppermost travel rail (handrail).

The tapered shape helps to ease fitting the lift unit onto the handrail thereby reducing the physical effort, which would otherwise be required.

## 8.2 Installation transport trolley

The Ascendor installation trolley has been designed to help avoid unnecessary physical strain or injury and to simplify the transport of our platform lifts from delivery vehicle to installation site.

With the help of the installation trolley, the lift unit can be installed onto the travel rails from the lower station. Simply dismantle the lowest section of the travel rails (if multi-part) and insert it into the lift unit while it is still on the trolley, use the conical insert (shown above) to assist if necessary. Move the travel to a convenient position to allow access to mounting brackets and reassembled the rails with the lift in-situ.



For further information, please contact our Sales Department. They can provide you with details and a video, which illustrates how useful this wagon can be.

Freely rotating castor wheels, two of which are fitted with foot operated locking brakes, ensure this wagon is manoeuvrable and yet can still be secured against unwanted movement.

The correct **mounting adaptor** must be fitted to "Straight" or "Curve" platform lifts to enable the transport. A separate attachment is also available for our PLV9 Vertical Platform Lift.

Dimensions: 82x70x20cm (LxWxH)

Weight: ca 25kg



## 9 Assembly toe protection (lower contact strip)

This installation step is only necessary for EN81-40 compliant systems.

### 9.1 Disassemble levelling feet with adjustment pads

To mount the toe guard, the black feet including adjustment plates must be removed from both aluminium profiles.

Store levelling feet and adjustment plates together with the operating instructions and safety belt.

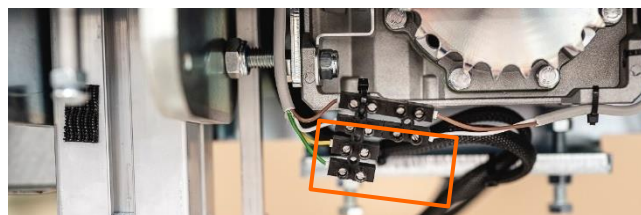


**Attention:** do not adjust or remove the slot nut on the front M8 for the folding board

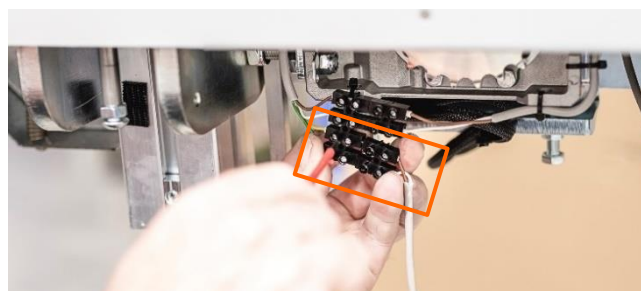


### 9.2 Clamp and attach the toe protection

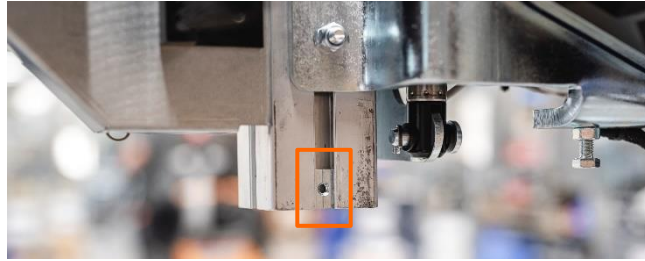
Remove the bracket on the luster terminal



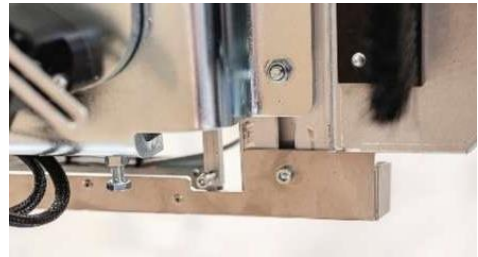
Plug in the pre-assembled plug of the toe guard and screw it tight



Remove the two M6 slot nuts from the toe protection and position them flush with the lower edge on the back of the aluminium profile



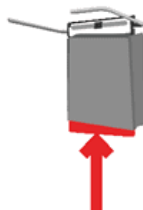
Loosely fasten the toe guard on the back with the M6 screws first, then push it all the way up and tighten the screws.



### 9.3 Functional test

When the toe guard is actuated, the downward travel command must be interrupted and an error message must appear on the display.

**Error indication on the display:** Contact strip drive unit below



## 10 Installing the recharger

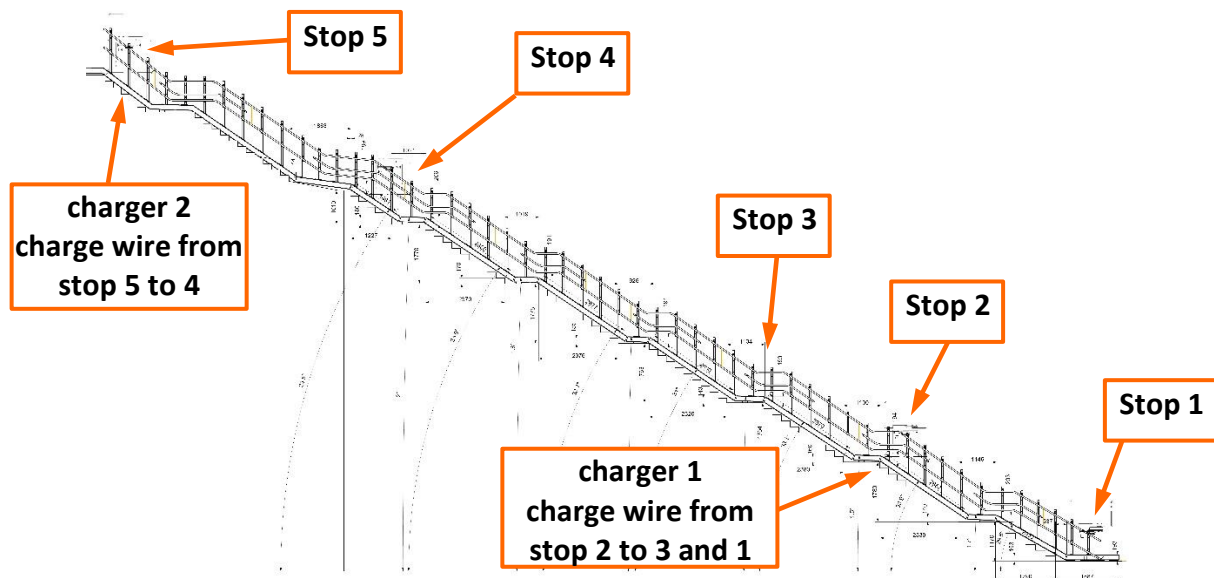
Regardless of whether the lift is installed in- or outdoors, we recommend installing the battery recharger unit IP 30 inside the housing, which we supply for this purpose.

The placement of the charger is basically freely selectable. An electricity supply should be provided close to the lift unit. This should be positioned either near the upper or lower station.

**The recharger should NOT be positioned directly behind the lift,** select a position that allows ease of access when the lift is parked.

**IMPORTANT:** If the rail from the lift is longer than 15m, a second charger must be installed.

When placing the charger, make sure that the length of the cable between the charger and the rail is as short as possible.



Check the LED of the charger to see whether the batteries are being recharged. An orange LED shows that the batteries are charged at the moment.

The recharging cycle is split into three distinct stages, which are described below:

### 1) Deep recharging mode

This mode is intended for recharging deep discharged batteries. When this mode is active the LED flashes. The recharging process begins with weak 0.5 V to 5 V voltage pulses. These have the effect of removing any loose sulfation that has formed during deep discharge.

### 2) Standard recharging mode

The LED lights orange and the recharger switches to a constant current of 2 A until the batteries are fully charged and have reached a voltage of 28,8 V.

### 3) Standby mode

The LED lights green and the battery voltage is maintained at a constant 27,6 V while the charge current slowly drops to zero. This ensures the recharger can remain permanently connected without causing any damage to the batteries.

If the battery voltage drops below 27,6 V the recharging cycle will repeat stages 2 and 3



## 10.1 Drilling template for wall mounted housings

The drilling templates for positioning the wall mounted operating units and recharger housing are also manufactured out of 5mm thick stainless-steel plate and come with an integrated handgrip. To assist the positioning, a metal locating pin is provided and securely attached to the template frame by cable.

### Instructions for use



Drilling Templates for recharger housing (right) and wall mounted operating unit (left)



Once location of housing has been selected, hold template to wall and drill first hole. (Ø6mm)



The locating pin helps to secure the template in position - insert into first hole. Use a small spirit level and adjust position. Drill the other holes required for mounting.



Clear the holes of debris and grit; insert dowels firmly into wall and ensure they are flush with wall surface and the wall housing can be mounted securely in place.

The recharger unit can now be connected to the mains supply and placed within the housing.

### Installing wall mounted operating units.

The wall switch control units can be mounted precisely in a similar way using the appropriate drilling template. The Ascendor drilling templates are available immediately, simply contact our sales department to order.

## 11 Fitting the limit switches

### 11.1 For Lift type – “Straight”

Pull the brown charging cable with a draw wire or tape through the inside of the **upper travel rail** between the two stations and out again at the limit switch positions.

Then thread the brown cable through the white plastic holder and connect to the brass terminal block at both stations.

Determine the correct position of the terminal block on the plastic holder as follows; travel with the lift to the station, the brass block should activate the limit switch just before it stops.

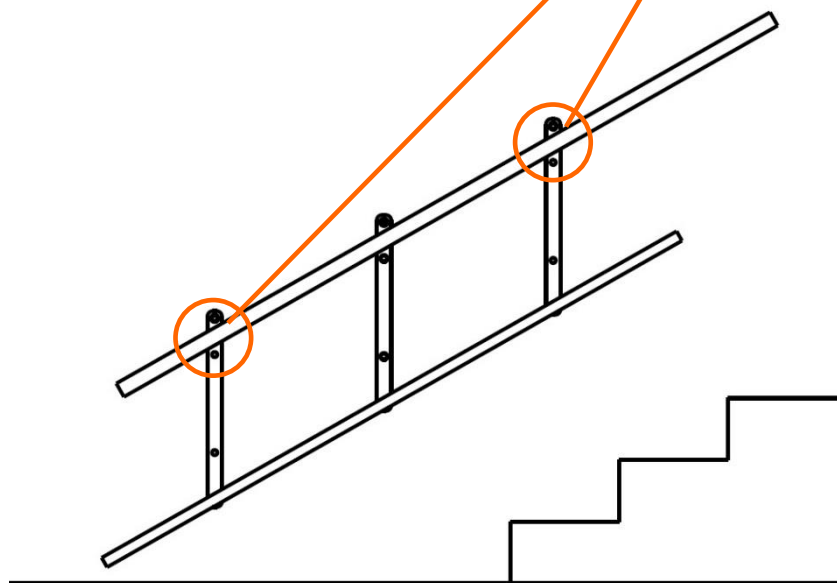
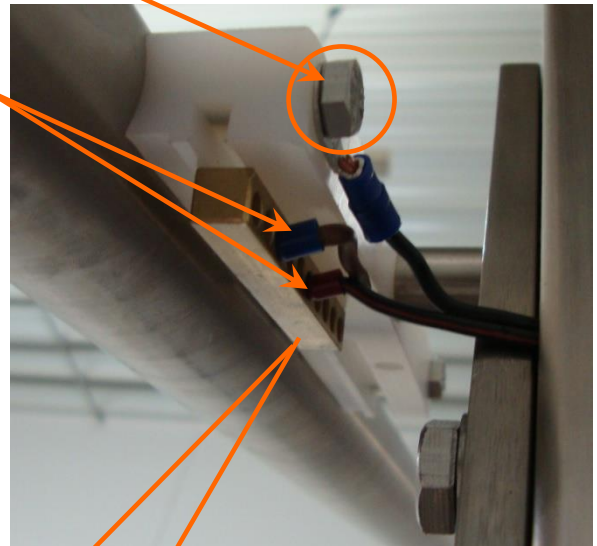
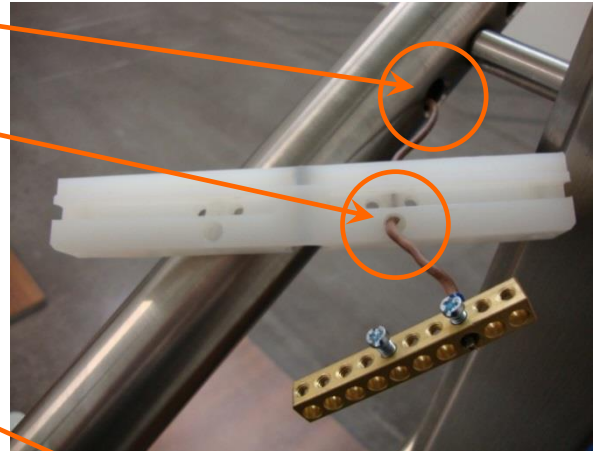
The negative terminal is secured with the hex-head retaining screw of the plastic mounting block holder and fastened onto the handrail.

Connect the positive terminal of the battery charger with the brass bar and secure this on the plastic mounting block with brass screws.

Finally fix the charging block holder onto the pre-drilled holes on the handrail.

The final stationary position of the lift at both the upper and the lower landings can be adjusted by moving the position of the brass bar up or down along the white plastic holder, to suit the final stopping position.

Complete the installation by attaching the metal covers onto the plastic holders. Make sure the insulating tape covers the brass screws.



## 11.2 For Lift type – “Curve”

Pull the brown charging cable with a draw wire or tape through the inside of the **lower travel rail** between the stations and out again at the limit switch positions.

Then thread the brown cable through the white plastic holder and connect to the brass terminal block at the stations.

Connect the positive pole of the battery charger with the brass bar and secure this on the plastic mounting block with brass screws.



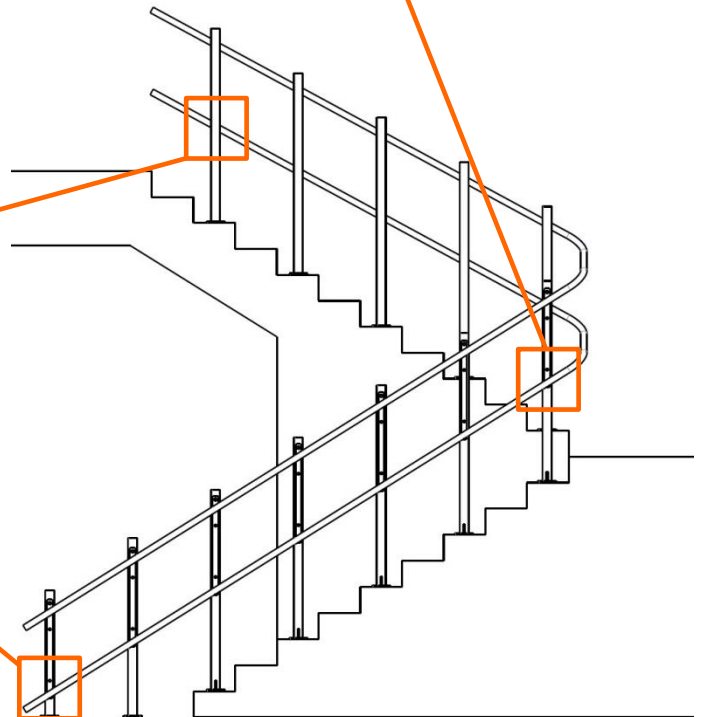
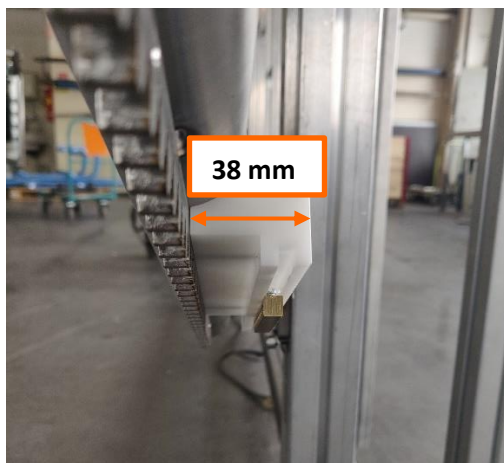
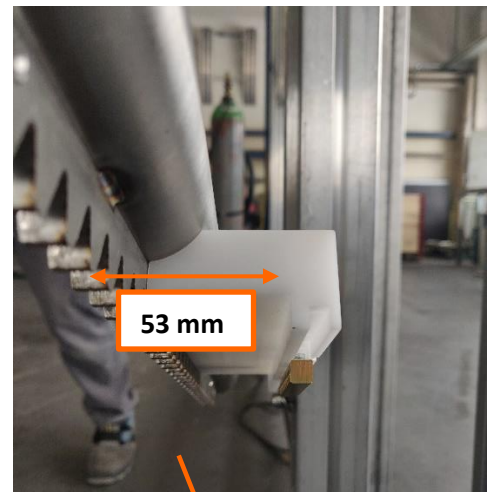
The negative pole must be connected to the travel rail.

Finally fix the white plastic holder onto the pre-drilled holes on the rack.

The brass terminal block is attached to the white plastic holder with the brass screws.

The final stationary position of the lift at the stations can be regulated by altering the position of the brass bar on the white plastic holder.

The brass bar can be moved up or down the plastic bracket depending on the required final stopping position.



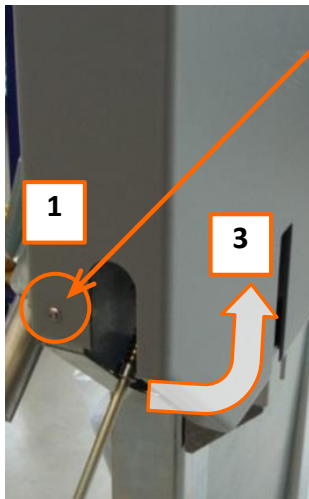
## 12 Teach speed “CURVE”

With the “Curve” lift type, a speed teach ride must be carried out in order to adapt the travel speed of the lift system to the course of the track.

### 12.1 Execute the speed teach ride

How to carry out the teach ride is described in the **maintenance and service instructions**. You will find these on the back of the front cover. The following point describes how this is removed.

### 12.2 Removing the front cover



1. Remove the two retaining screws from both sides at the bottom of the front plastic cover.
2. Then remove the two screws, which secure both ends of the handrail and remove it.

**IMPORTANT:** If a folding seat is fitted this must first be removed before the cover!

*Further information can be found in the Instruction Guide: How-to install a folding seat.*

3. Now, pull the bottom of the cover slightly forwards to loosen the Velcro fasteners and then lift upwards to remove.



**Please observe instructions below before completely removing the front cover.**

#### **ATTENTION!**

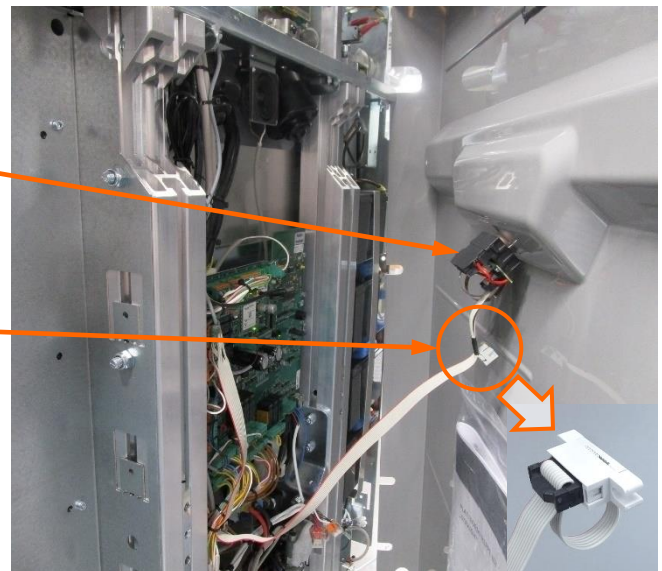
The **cable connecting the on-board controls** to the PCB is still attached to the front cover!

After unplugging the cable from the small circuit board fitted on the inside, remove the front cover.

#### **IMPORTANT!**

The emergency stop button must be bridged by connecting the cable to the plug which hangs loosely at the end of the ribbon cable

**Do not forget to reconnect this cable when replacing the front cover!**



## 13 Attaching the protective covering panels between stanchions

The covering panels serve as a reach-through protection and fall protection. It is fixed between the stanchions with the supplied panel holders.

### 13.1 Correct installation sequence

To be able to distinguish the individual panels from each other, tips are cut at the top hole. (Fig. right). The number of points defines the numbering of the panels.

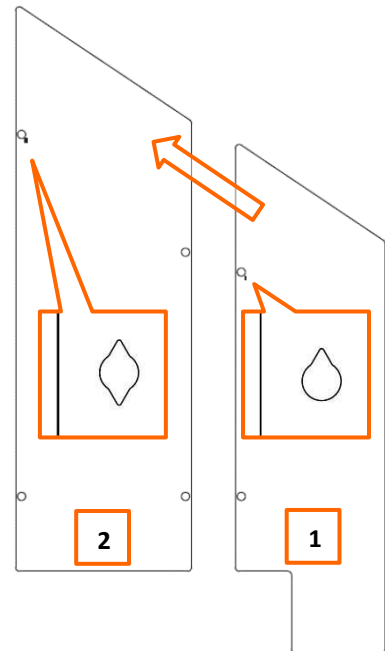
Nevertheless, we recommend measuring the main dimensions of the individual panels and comparing them with the drawing.

Unless otherwise indicated on the assembly drawing, the numbering of the plates always starts at the bottom (panel 1 = between stanchion A and stanchion B).

If more than 8 different panels are required, the numbering is done at two holes. The position of the panels is then indicated on the assembly drawing.

The following dimensions and safety distances must be considered during installation:

- The gap between the panel and the stair stringer must not be larger than 3 cm.
- The top edge of the panel should protrude 5-6cm above the upper roadway tube



### 13.2 Install brackets and panels

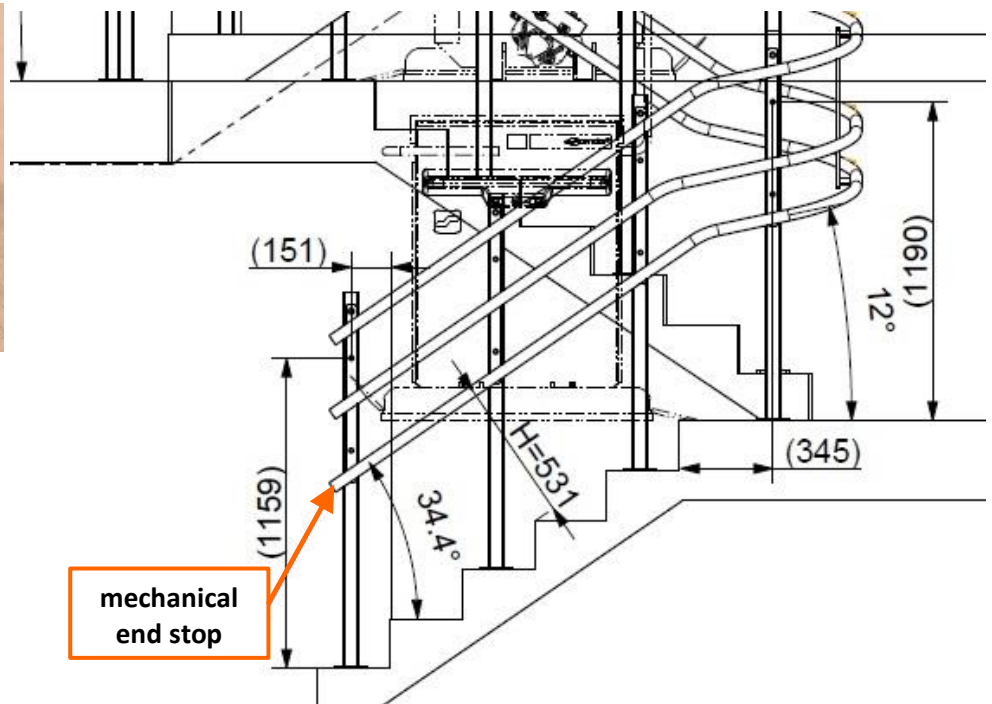


1. Hold the panel so that the safety distances described above are maintained and mark the first fixing hole on the stanchion.
2. The position of the M6 hole can be determined using the predrilled holes in the panel. Then mount the bracket with the cage nut on the panel and align it.
3. Then fix the other brackets in place.
4. All panels should be placed at the same height to create a uniform overall appearance.

## 14 Completing the installation

### ! ATTENTION !

If necessary, mount the mechanical end stop on the carriageway, the position is given on the assembly drawing. The end stop is necessary if the course of the track allows the lift to be unhooked, e.g. lift is parked on the ground floor and stairs lead down to the basement.

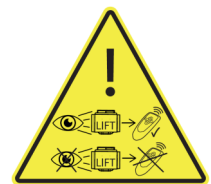


Install the wall mounted operating units (if included in the scope of delivery) as described in [paragraph 10.1](#).

Wall mounted operating units should be fixed at a height of approx. 90cm, besides there should be enough space (> 1m) between the wall mounted operating unit and the parked lift

**ATTENTION: The wall mounted operating unit must be placed in a position that the complete travel area can be viewed from the control panel.**

The enclosed yellow warning stickers must be affixed to the hand-held radio transmitters.

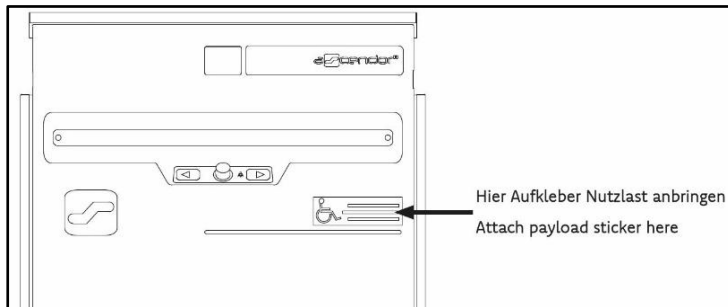


Please ensure that the following steps are carried out and the last small details of the lift installation are completed:

- Fit the end caps to both ends of the (upper) handrail
- Cover hex-head screws on rail mounting brackets with plastic caps
- Attach payload sticker (foil sticker)

For stanchion installation,

- Fit the plastic caps provided onto the top of the baseplate hex-head screws
- Drive plastic caps into the top of each support (and also into the bottom of side-mounted supports as shown in the illustration below)



Clean up the construction site:

- Remove tools, cables and material residues.
- Clean dust and dirt from the stairwell and surrounding area.
- Finally, clean the lift and roadway with stainless steel care spray.

Before commencing with commissioning, ensure the following:

- All screws are tightened and fittings are securely installed
- The staircase and travel route are free of foreign objects that might obstruct or hinder travel.
- Make a visual inspection of the lift and travel rails

Now proceed with the commissioning in accordance with the **Commissioning certificate** in [paragraph 17](#) of this manual.

### 14.1 Adjusting the frequencies of radio hand-held transmitters and radio wall switches

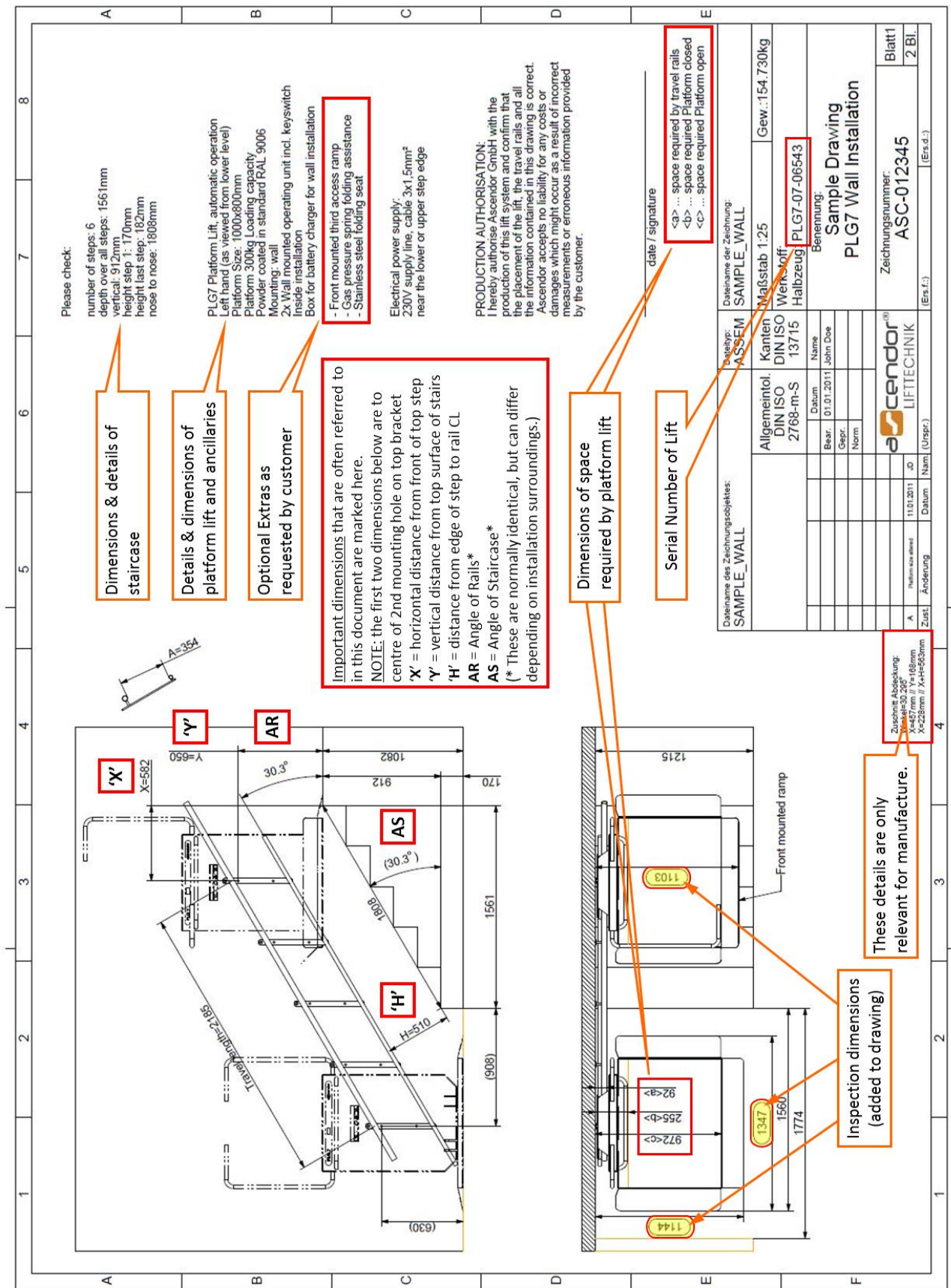
If **several systems are located within a short distance of each other**, the frequencies of the wall-mounted radio buttons/hand-held radio transmitters must be adjusted so that the wall-mounted radio buttons/hand-held radio transmitters do not interfere with each other. All DIP switch switches on the radio receiver board, radio hand-held transmitter board and radio wall switch board are set to OFF at the factory, i.e. the same frequency is set everywhere.

For trouble-free operation of all adjacent lift systems, a different frequency must be selected for each system; the procedure is described in the **maintenance and service instructions**.

Then hand over the **keys, remote controls and documents to the lift owner and train the responsible personnel and elevator attendant**.

## 15 Sample drawings

### 15.1 Lift type "Straight" (With descriptions of important details and information)





**15.2 Lift type "Curve"**

Platzbedarf links (N/S)  
Platzbedarf rechts (S/N)  
Tragfähigkeit: 300kg  
Plattform in Edelstahl  
Montage rechts (Anzahl von unten)  
2 Funkhandsender  
Innenanlage für Altkunden bereit  
Steuerungstrom: 24V AC  
Fahrgeschwindigkeit: 0,1 m/s  
Klappzitz

Stromanschluss:  
230V Zuleitung, Kabel 3x1,5mm<sup>2</sup>  
im Bereich der untersten oder obersten Stufenkante

Hiermit bestätige ich die Ascendor GmbH mit der  
Freigabe dieser Lifaahn und bestätige, dass die  
Platzierung der Fahrbahn richtig ist und alle Angaben  
korrekt sind. Ascendor ist nicht verantwortlich für  
Schäden an der Lifaahn und  
übernimmt keinerlei Haftung daraus entstehende Kosten.

**ASSEMBLY INSTRUCTIONS:**

ASSEMBLY PARTS: ASSEMBLY PARTS: PLK8\_LUNGER

General: Kanten Material 1:30 Gew. 232,075kg  
DIN ISO 2768-m-S Werkstoff: 13715  
Half: PLK8-07-01207

Design: 5.6.18  
Date: 2020/03/18  
Scale: 1:1  
Version: 1.0

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Design: 5.6.18  
Date: 2020/03/18  
Scale: 1:1  
Version: 1.0

## 16 H-dimension table

### 16.1 Platform Stairlift – “Straight”

**ATTENTION:** The following values for the H dimension are calculated so that the platform is 0 mm distance from the edge of the step. The actual H dimension should therefore be at least 30 mm larger!

Inclination °	Platform length “Straight”					
	800 mm	900 mm	1000 mm	1210 mm	1250 mm	1300 mm
10,00	319,2	327,9	336,6	354,8	358,3	362,6
10,25	320,8	329,7	338,6	357,3	360,8	365,3
10,50	322,4	331,5	340,6	359,7	363,4	367,9
10,75	324,0	333,3	342,6	362,2	365,9	370,6
11,00	325,5	335,1	344,6	364,7	368,5	373,3
11,25	327,1	336,9	346,6	367,1	371,0	375,9
11,50	328,7	338,7	348,6	369,6	373,6	378,5
11,75	330,3	340,4	350,6	372,0	376,1	381,2
12,00	331,8	342,2	352,6	374,4	378,6	383,8
12,25	333,4	344,0	354,6	376,9	381,1	386,4
12,50	334,9	345,8	356,6	379,3	383,6	389,0
12,75	336,5	347,5	358,5	381,7	386,1	391,7
13,00	338,0	349,3	360,5	384,1	388,6	394,3
13,25	339,6	351,0	362,5	386,5	391,1	396,9
13,50	341,1	352,8	364,4	388,9	393,6	399,4
13,75	342,6	354,5	366,4	391,3	396,1	402,0
14,00	344,1	356,2	368,3	393,7	398,6	404,6
14,25	345,6	357,9	370,3	396,1	401,0	407,2
14,50	347,1	359,7	372,2	398,5	403,5	409,7
14,75	348,6	361,4	374,1	400,8	405,9	412,3
15,00	350,1	363,1	376,0	403,2	408,4	414,8
15,25	351,6	364,8	377,9	405,6	410,8	417,4
15,50	353,1	366,5	379,8	407,9	413,2	419,9
15,75	354,6	368,2	381,7	410,2	415,7	422,5
16,00	356,1	369,9	383,6	412,6	418,1	425,0
16,25	357,5	371,5	385,5	414,9	420,5	427,5
16,50	359,0	373,2	387,4	417,2	422,9	430,0
16,75	360,5	374,9	389,3	419,5	425,3	432,5
17,00	361,9	376,5	391,1	421,8	427,7	435,0
17,25	363,4	378,2	393,0	424,1	430,1	437,5
17,50	364,8	379,8	394,9	426,4	432,5	440,0
17,75	366,2	381,5	396,7	428,7	434,8	442,4
18,00	367,7	383,1	398,6	431,0	437,2	444,9
18,25	369,1	384,7	400,4	433,3	439,5	447,4
18,50	370,5	386,4	402,2	435,5	441,9	449,8
18,75	371,9	388,0	404,0	437,8	444,2	452,3
19,00	373,3	389,6	405,9	440,0	446,6	454,7
19,25	374,7	391,2	407,7	442,3	448,9	457,1
19,50	376,1	392,8	409,5	444,5	451,2	459,5
19,75	377,5	394,4	411,3	446,7	453,5	462,0
20,00	378,9	396,0	413,1	449,0	455,8	464,4
20,25	380,2	397,5	414,8	451,2	458,1	466,8

Inclination °	Platform length "Straight"					
	800 mm	900 mm	1000 mm	1210 mm	1250 mm	1300 mm
20,50	381,6	399,1	416,6	453,4	460,4	469,1
20,75	383,0	400,7	418,4	455,6	462,7	471,5
21,00	384,3	402,2	420,1	457,8	464,9	473,9
21,25	385,7	403,8	421,9	460,0	467,2	476,3
21,50	387,0	405,3	423,6	462,1	469,5	478,6
21,75	388,3	406,9	425,4	464,3	471,7	481,0
22,00	389,7	408,4	427,1	466,5	473,9	483,3
22,25	391,0	409,9	428,8	468,6	476,2	485,6
22,50	392,3	411,4	430,6	470,7	478,4	488,0
22,75	393,6	412,9	432,3	472,9	480,6	490,3
23,00	394,9	414,4	434,0	475,0	482,8	492,6
23,25	396,2	415,9	435,7	477,1	485,0	494,9
23,50	397,5	417,4	437,4	479,2	487,2	497,2
23,75	398,8	418,9	439,1	481,3	489,4	499,5
24,00	400,1	420,4	440,7	483,4	491,6	501,7
24,25	401,3	421,9	442,4	485,5	493,7	504,0
24,50	402,6	423,3	444,1	487,6	495,9	506,3
24,75	403,8	424,8	445,7	489,7	498,0	508,5
25,00	405,1	426,2	447,4	491,7	500,2	510,7
25,25	406,3	427,7	449,0	493,8	502,3	513,0
25,50	407,6	429,1	450,6	495,8	504,4	515,2
25,75	408,8	430,5	452,3	497,9	506,6	517,4
26,00	410,0	431,9	453,9	499,9	508,7	519,6
26,25	411,2	433,4	455,5	501,9	510,8	521,8
26,50	412,5	434,8	457,1	503,9	512,9	524,0
26,75	413,7	436,2	458,7	505,9	514,9	526,2
27,00	414,9	437,6	460,3	507,9	517,0	528,4
27,25	416,0	438,9	461,8	509,9	519,1	530,5
27,50	417,2	440,3	463,4	511,9	521,1	532,7
27,75	418,4	441,7	465,0	513,9	523,2	534,8
28,00	419,6	443,0	466,5	515,8	525,2	536,9
28,25	420,7	444,4	468,1	517,8	527,2	539,1
28,50	421,9	445,7	469,6	519,7	529,3	541,2
28,75	423,0	447,1	471,1	521,6	531,3	543,3
29,00	424,2	448,4	472,7	523,6	533,3	545,4
29,25	425,3	449,7	474,2	525,5	535,3	547,5
29,50	426,4	451,1	475,7	527,4	537,2	549,5
29,75	427,6	452,4	477,2	529,3	539,2	551,6
30,00	428,7	453,7	478,7	531,2	541,2	553,7
30,25	429,8	455,0	480,2	533,1	543,1	555,7
30,50	430,9	456,3	481,6	534,9	545,1	557,8
30,75	432,0	457,5	483,1	536,8	547,0	559,8
31,00	433,1	458,8	484,6	538,6	548,9	561,8
31,25	434,1	460,1	486,0	540,5	550,9	563,8
31,50	435,2	461,3	487,5	542,3	552,8	565,8
31,75	436,3	462,6	488,9	544,1	554,7	567,8
32,00	437,3	463,8	490,3	546,0	556,6	569,8
32,25	438,4	465,0	491,7	547,8	558,4	571,8
32,50	439,4	466,3	493,1	549,6	560,3	573,7

Inclination °	Platform length "Straight"					
	800 mm	900 mm	1000 mm	1210 mm	1250 mm	1300 mm
32,75	440,4	467,5	494,5	551,3	562,2	575,7
33,00	441,5	468,7	495,9	553,1	564,0	577,6
33,25	442,5	469,9	497,3	554,9	565,9	579,6
33,50	443,5	471,1	498,7	556,6	567,7	581,5
33,75	444,5	472,3	500,1	558,4	569,5	583,4
34,00	445,5	473,5	501,4	560,1	571,3	585,3
34,25	446,5	474,6	502,8	561,9	573,1	587,2
34,50	447,5	475,8	504,1	563,6	574,9	589,1
34,75	448,4	476,9	505,4	565,3	576,7	590,9
35,00	449,4	478,1	506,8	567,0	578,5	592,8
35,25	450,4	479,2	508,1	568,7	580,2	594,7
35,50	451,3	480,4	509,4	570,4	582,0	596,5
35,75	452,3	481,5	510,7	572,0	583,7	598,3
36,00	453,2	482,6	512,0	573,7	585,5	600,1
36,25	454,1	483,7	513,3	575,3	587,2	602,0
36,50	455,1	484,8	514,5	577,0	588,9	603,8
36,75	456,0	485,9	515,8	578,6	590,6	605,5
37,00	456,9	487,0	517,1	580,2	592,3	607,3
37,25	457,8	488,0	518,3	581,9	594,0	609,1
37,50	458,7	489,1	519,5	583,5	595,6	610,9
37,75	459,5	490,2	520,8	585,0	597,3	612,6
38,00	460,4	491,2	522,0	586,6	598,9	614,3
38,25	461,3	492,2	523,2	588,2	600,6	616,1
38,50	462,1	493,3	524,4	589,8	602,2	617,8
38,75	463,0	494,3	525,6	591,3	603,8	619,5
39,00	463,8	495,3	526,8	592,9	605,4	621,2
39,25	464,7	496,3	527,9	594,4	607,0	622,9
39,50	465,5	497,3	529,1	595,9	608,6	624,5
39,75	466,3	498,3	530,3	597,4	610,2	626,2
40,00	467,1	499,3	531,4	598,9	611,8	627,8
40,25	467,9	500,3	532,6	600,4	613,3	629,5
40,50	468,7	501,2	533,7	601,9	614,9	631,1
40,75	469,5	502,2	534,8	603,4	616,4	632,7
41,00	470,3	503,1	535,9	604,8	617,9	634,3
41,25	471,1	504,1	537,0	606,3	619,4	635,9
41,50	471,9	505,0	538,1	607,7	620,9	637,5
41,75	472,6	505,9	539,2	609,1	622,4	639,1
42,00	473,4	506,8	540,3	610,5	623,9	640,6
42,25	474,1	507,7	541,3	611,9	625,4	642,2
42,50	474,8	508,6	542,4	613,3	626,8	643,7
42,75	475,6	509,5	543,4	614,7	628,3	645,3
43,00	476,3	510,4	544,5	616,1	629,7	646,8
43,25	477,0	511,3	545,5	617,5	631,2	648,3
43,50	477,7	512,1	546,5	618,8	632,6	649,8
43,75	478,4	513,0	547,5	620,2	634,0	651,3
44,00	479,1	513,8	548,5	621,5	635,4	652,7
44,25	479,8	514,6	549,5	622,8	636,8	654,2
44,50	480,4	515,5	550,5	624,1	638,1	655,7
44,75	481,1	516,3	551,5	625,4	639,5	657,1

Inclination °	Platform length "Straight"					
	800 mm	900 mm	1000 mm	1210 mm	1250 mm	1300 mm
45,00	481,7	517,1	552,4	626,7	640,8	658,5
45,25	482,4	517,9	553,4	628,0	642,2	659,9
45,50	483,0	518,7	554,3	629,2	643,5	661,3
45,75	483,7	519,5	555,3	630,5	644,8	662,7
46,00	484,3	520,2	556,2	631,7	646,1	664,1
46,25	484,9	521,0	557,1	633,0	647,4	665,5
46,50	485,5	521,8	558,0	634,2	648,7	666,8
46,75	486,1	522,5	558,9	635,4	650,0	668,2
47,00	486,7	523,2	559,8	636,6	651,2	669,5
47,25	487,3	524,0	560,7	637,8	652,5	670,8
47,50	487,8	524,7	561,6	639,0	653,7	672,1
47,75	488,4	525,4	562,4	640,1	654,9	673,4
48,00	488,9	526,1	563,3	641,3	656,2	674,7
48,25	489,5	526,8	564,1	642,4	657,4	676,0
48,50	490,0	527,5	564,9	643,6	658,5	677,3
48,75	490,6	528,2	565,7	644,7	659,7	678,5
49,00	491,1	528,8	566,6	645,8	660,9	679,8
49,25	491,6	529,5	567,4	646,9	662,0	681,0
49,50	492,1	530,1	568,1	648,0	663,2	682,2
49,75	492,6	530,8	568,9	649,1	664,3	683,4
50,00	493,1	531,4	569,7	650,1	665,4	684,6

## 16.2 Platform Stairlift – "Curve"

**ATTENTION:** The following values for the H dimension are calculated so that the platform is 0 mm distance from the edge of the step. The actual H dimension should therefore be at least 30 mm larger!

Inclination °	Platform length "Curve"					
	800 mm	900 mm	1000 mm	1210 mm	1250 mm	1300 mm
10,00	289,8	298,5	307,1	325,4	328,8	333,2
10,25	291,4	300,3	309,2	327,9	331,4	335,9
10,50	293,0	302,2	311,3	330,4	334,0	338,6
10,75	294,7	304,0	313,3	332,9	336,6	341,3
11,00	296,3	305,8	315,4	335,4	339,2	344,0
11,25	297,9	307,7	317,4	337,9	341,8	346,7
11,50	299,5	309,5	319,5	340,4	344,4	349,4
11,75	301,1	311,3	321,5	342,9	347,0	352,1
12,00	302,8	313,1	323,5	345,4	349,5	354,7
12,25	304,4	315,0	325,6	347,9	352,1	357,4
12,50	306,0	316,8	327,6	350,3	354,7	360,1
12,75	307,5	318,6	329,6	352,8	357,2	362,7
13,00	309,1	320,4	331,6	355,3	359,8	365,4
13,25	310,7	322,2	333,6	357,7	362,3	368,0
13,50	312,3	324,0	335,7	360,2	364,8	370,7
13,75	313,9	325,8	337,7	362,6	367,4	373,3
14,00	315,5	327,6	339,6	365,0	369,9	375,9
14,25	317,0	329,3	341,6	367,5	372,4	378,6
14,50	318,6	331,1	343,6	369,9	374,9	381,2

Inclination °	Platform length "Curve"					
	800 mm	900 mm	1000 mm	1210 mm	1250 mm	1300 mm
14,75	320,1	332,9	345,6	372,3	377,4	383,8
15,00	321,7	334,6	347,6	374,8	379,9	386,4
15,25	323,2	336,4	349,6	377,2	382,4	389,0
15,50	324,8	338,2	351,5	379,6	384,9	391,6
15,75	326,3	339,9	353,5	382,0	387,4	394,2
16,00	327,9	341,6	355,4	384,4	389,9	396,8
16,25	329,4	343,4	357,4	386,8	392,4	399,4
16,50	330,9	345,1	359,3	389,1	394,8	401,9
16,75	332,4	346,9	361,3	391,5	397,3	404,5
17,00	334,0	348,6	363,2	393,9	399,7	407,1
17,25	335,5	350,3	365,1	396,3	402,2	409,6
17,50	337,0	352,0	367,0	398,6	404,6	412,2
17,75	338,5	353,7	369,0	401,0	407,1	414,7
18,00	340,0	355,4	370,9	403,3	409,5	417,2
18,25	341,5	357,1	372,8	405,7	411,9	419,8
18,50	342,9	358,8	374,7	408,0	414,3	422,3
18,75	344,4	360,5	376,6	410,3	416,8	424,8
19,00	345,9	362,2	378,5	412,6	419,2	427,3
19,25	347,4	363,9	380,3	415,0	421,6	429,8
19,50	348,8	365,5	382,2	417,3	423,9	432,3
19,75	350,3	367,2	384,1	419,6	426,3	434,8
20,00	351,8	368,9	386,0	421,9	428,7	437,3
20,25	353,2	370,5	387,8	424,2	431,1	439,7
20,50	354,7	372,2	389,7	426,4	433,4	442,2
20,75	356,1	373,8	391,5	428,7	435,8	444,7
21,00	357,5	375,4	393,4	431,0	438,2	447,1
21,25	359,0	377,1	395,2	433,3	440,5	449,6
21,50	360,4	378,7	397,0	435,5	442,8	452,0
21,75	361,8	380,3	398,9	437,8	445,2	454,4
22,00	363,2	381,9	400,7	440,0	447,5	456,9
22,25	364,6	383,5	402,5	442,2	449,8	459,3
22,50	366,0	385,1	404,3	444,5	452,1	461,7
22,75	367,4	386,7	406,1	446,7	454,4	464,1
23,00	368,8	388,3	407,9	448,9	456,7	466,5
23,25	370,2	389,9	409,7	451,1	459,0	468,9
23,50	371,6	391,5	411,4	453,3	461,3	471,3
23,75	372,9	393,1	413,2	455,5	463,6	473,6
24,00	374,3	394,6	415,0	457,7	465,8	476,0
24,25	375,7	396,2	416,7	459,9	468,1	478,3
24,50	377,0	397,8	418,5	462,0	470,3	480,7
24,75	378,4	399,3	420,2	464,2	472,6	483,0
25,00	379,7	400,9	422,0	466,4	474,8	485,4
25,25	381,1	402,4	423,7	468,5	477,0	487,7
25,50	382,4	403,9	425,4	470,6	479,3	490,0
25,75	383,7	405,4	427,2	472,8	481,5	492,3
26,00	385,0	407,0	428,9	474,9	483,7	494,6
26,25	386,4	408,5	430,6	477,0	485,9	496,9
26,50	387,7	410,0	432,3	479,1	488,1	499,2
26,75	389,0	411,5	434,0	481,2	490,2	501,5

Inclination °	Platform length "Curve"					
	800 mm	900 mm	1000 mm	1210 mm	1250 mm	1300 mm
27,00	390,3	413,0	435,7	483,3	492,4	503,8
27,25	391,6	414,5	437,3	485,4	494,6	506,0
27,50	392,8	415,9	439,0	487,5	496,7	508,3
27,75	394,1	417,4	440,7	489,6	498,9	510,5
28,00	395,4	418,9	442,3	491,6	501,0	512,8
28,25	396,7	420,3	444,0	493,7	503,2	515,0
28,50	397,9	421,8	445,6	495,7	505,3	517,2
28,75	399,2	423,2	447,3	497,8	507,4	519,4
29,00	400,4	424,7	448,9	499,8	509,5	521,6
29,25	401,7	426,1	450,5	501,8	511,6	523,8
29,50	402,9	427,5	452,2	503,9	513,7	526,0
29,75	404,1	429,0	453,8	505,9	515,8	528,2
30,00	405,4	430,4	455,4	507,9	517,9	530,4
30,25	406,6	431,8	457,0	509,9	519,9	532,5
30,50	407,8	433,2	458,6	511,8	522,0	534,7
30,75	409,0	434,6	460,1	513,8	524,1	536,8
31,00	410,2	436,0	461,7	515,8	526,1	539,0
31,25	411,4	437,3	463,3	517,8	528,1	541,1
31,50	412,6	438,7	464,8	519,7	530,2	543,2
31,75	413,8	440,1	466,4	521,6	532,2	545,3
32,00	414,9	441,4	467,9	523,6	534,2	547,4
32,25	416,1	442,8	469,5	525,5	536,2	549,5
32,50	417,3	444,1	471,0	527,4	538,2	551,6
32,75	418,4	445,5	472,5	529,3	540,1	553,7
33,00	419,6	446,8	474,0	531,2	542,1	555,7
33,25	420,7	448,1	475,5	533,1	544,1	557,8
33,50	421,9	449,4	477,0	535,0	546,0	559,8
33,75	423,0	450,8	478,5	536,9	548,0	561,9
34,00	424,1	452,1	480,0	538,7	549,9	563,9
34,25	425,2	453,4	481,5	540,6	551,8	565,9
34,50	426,3	454,6	483,0	542,4	553,8	567,9
34,75	427,4	455,9	484,4	544,3	555,7	569,9
35,00	428,5	457,2	485,9	546,1	557,6	571,9
35,25	429,6	458,5	487,3	547,9	559,5	573,9
35,50	430,7	459,7	488,8	549,7	561,4	575,9
35,75	431,8	461,0	490,2	551,5	563,2	577,8
36,00	432,8	462,2	491,6	553,3	565,1	579,8
36,25	433,9	463,5	493,0	555,1	566,9	581,7
36,50	435,0	464,7	494,4	556,9	568,8	583,7
36,75	436,0	465,9	495,8	558,7	570,6	585,6
37,00	437,0	467,1	497,2	560,4	572,4	587,5
37,25	438,1	468,3	498,6	562,2	574,3	589,4
37,50	439,1	469,5	500,0	563,9	576,1	591,3
37,75	440,1	470,7	501,3	565,6	577,9	593,2
38,00	441,1	471,9	502,7	567,3	579,7	595,1
38,25	442,1	473,1	504,1	569,1	581,4	596,9
38,50	443,1	474,3	505,4	570,8	583,2	598,8
38,75	444,1	475,4	506,7	572,4	585,0	600,6
39,00	445,1	476,6	508,1	574,1	586,7	602,4

Inclination °	Platform length "Curve"					
	800 mm	900 mm	1000 mm	1210 mm	1250 mm	1300 mm
39,25	446,1	477,7	509,4	575,8	588,5	604,3
39,50	447,1	478,9	510,7	577,5	590,2	606,1
39,75	448,0	480,0	512,0	579,1	591,9	607,9
40,00	449,0	481,1	513,3	580,8	593,6	609,7
40,25	449,9	482,2	514,6	582,4	595,3	611,5
40,50	450,9	483,4	515,8	584,0	597,0	613,2
40,75	451,8	484,5	517,1	585,6	598,7	615,0
41,00	452,7	485,6	518,4	587,2	600,4	616,8
41,25	453,7	486,6	519,6	588,8	602,0	618,5
41,50	454,6	487,7	520,8	590,4	603,7	620,2
41,75	455,5	488,8	522,1	592,0	605,3	622,0
42,00	456,4	489,8	523,3	593,6	606,9	623,7
42,25	457,3	490,9	524,5	595,1	608,6	625,4
42,50	458,2	491,9	525,7	596,7	610,2	627,1
42,75	459,0	493,0	526,9	598,2	611,8	628,7
43,00	459,9	494,0	528,1	599,7	613,4	630,4
43,25	460,8	495,0	529,3	601,2	614,9	632,1
43,50	461,6	496,1	530,5	602,8	616,5	633,7
43,75	462,5	497,1	531,6	604,2	618,1	635,4
44,00	463,3	498,1	532,8	605,7	619,6	637,0
44,25	464,2	499,1	533,9	607,2	621,2	638,6
44,50	465,0	500,0	535,1	608,7	622,7	640,2
44,75	465,8	501,0	536,2	610,1	624,2	641,8
45,00	466,6	502,0	537,3	611,6	625,7	643,4
45,25	467,4	502,9	538,4	613,0	627,2	645,0
45,50	468,2	503,9	539,5	614,4	628,7	646,5
45,75	469,0	504,8	540,6	615,9	630,2	648,1
46,00	469,8	505,8	541,7	617,3	631,6	649,6
46,25	470,6	506,7	542,8	618,7	633,1	651,2
46,50	471,3	507,6	543,9	620,0	634,5	652,7
46,75	472,1	508,5	544,9	621,4	636,0	654,2
47,00	472,9	509,4	546,0	622,8	637,4	655,7



## 17 Commissioning certificate

If you require a Lift Unit specific CE conformity declaration, complete the **Commissioning certificate** below and send it to us with a written request.

**Serial number of lift:** \_\_\_\_\_ **OK** **Fail**

### Function control using the remote control (handheld or wall mounted)

Travel: UP / DOWN	<input type="checkbox"/>	<input type="checkbox"/>
Platform: OPEN / CLOSE	<input type="checkbox"/>	<input type="checkbox"/>
Key switch function test (for wall mounted remote controls only)	<input type="checkbox"/>	<input type="checkbox"/>
Check yellow warning stickers on hand-held radio transmitter	<input type="checkbox"/>	<input type="checkbox"/>

### Function control using the on-board control

Travel: UP / DOWN	<input type="checkbox"/>	<input type="checkbox"/>
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### Function control for safety equipment

Limit switch TOP	<input type="checkbox"/>	<input type="checkbox"/>
Limit switch BOTTOM	<input type="checkbox"/>	<input type="checkbox"/>
Pressure sensitive contact panel (on platform underside)	<input type="checkbox"/>	<input type="checkbox"/>
Emergency stop button	<input type="checkbox"/>	<input type="checkbox"/>
Switch function test of the access ramps open (travel up / down)	<input type="checkbox"/>	<input type="checkbox"/>
Switch function test of the access ramps closed (travel up / down)	<input type="checkbox"/>	<input type="checkbox"/>
Volume test for acoustic alarm	<input type="checkbox"/>	<input type="checkbox"/>
Shutdown when safety bars are opened while the lift is in motion	<input type="checkbox"/>	<input type="checkbox"/>
Emergency travel release button (safety bars half open)	<input type="checkbox"/>	<input type="checkbox"/>
Emergency folding button	<input type="checkbox"/>	<input type="checkbox"/>
Shutdown when current overload at platform motor	<input type="checkbox"/>	<input type="checkbox"/>

### Function control for mechanical parts and software

Access ramps OPEN and CLOSE completely	<input type="checkbox"/>	<input type="checkbox"/>
Safety bars OPEN and CLOSE completely	<input type="checkbox"/>	<input type="checkbox"/>
Platform OPEN and CLOSE completely	<input type="checkbox"/>	<input type="checkbox"/>
Check battery charger function	<input type="checkbox"/>	<input type="checkbox"/>

\_\_\_\_\_  
Date, Name

\_\_\_\_\_  
Signature







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