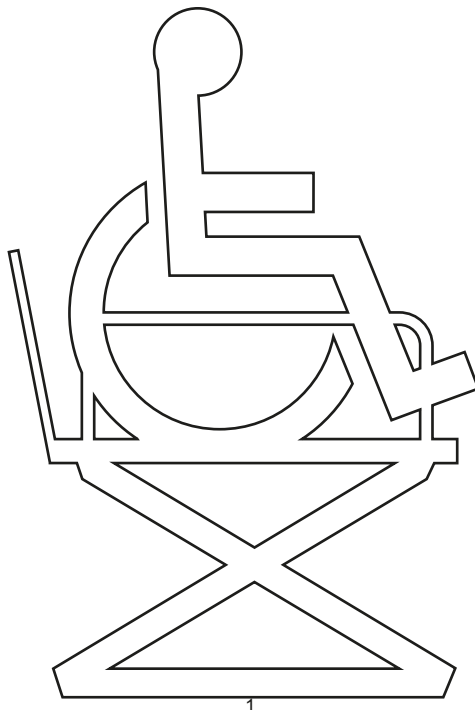


GB/US LP1 Lifting platform



Vers. 6.00



LP1 Lifting platform

Item number:

13015-xxx

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Purpose and Use**The Purpose of This Manual**

This manual describes the standard models with a lifting height of 580 mm.

Use

LP1 is designed for permanent installation indoors or outdoors.
The lifting platform can be used in temperatures ranging from -20 to +40 degrees. In temperatures of less than zero, it is recommended that suitable heating be applied underneath the platform.

The lifting platform can be used by persons with impaired mobility (e.g. walking-impaired, wheelchair users, persons with pushchairs and sack trucks) who have to negotiate height differences where wheelchair ramps are too long or steep, and where an ordinary lift is impractical or too expensive. Access and drive-off are at opposite ends of the lifting platform. For the safety of the user, the access ramp acts as a gate, and there are handrails on both sides of the LP1.

LP1 is designed and produced in accordance with current standards for negotiating height differences from 0-580 mm. LP1's lifting interval can be adjusted between heights of 100-580 mm depending on local conditions.

Great importance is attached to the design and implementation of the platform, such that the installation is attractive and harmonious in various housing environments, both private and public.

Public environments include institutions, public buildings, etc., where the lifting platform is subject to a certain degree of supervision. In these environments, the lifting platform must be locked so that it is protected against unintentional use or games.

When the lifting platform is in use, it is understood that the user has been instructed on its use, or that a skilled personnel is present to assist.

1.03

Important/Warnings

- All the operating instructions must be read before using the product.
- LP1 must be assembled by the Guldmann Service Team, or by an engineer authorised by Guldmann.
- LP1 is controlled by a microprocessor pc board, which can be damaged by static electricity if touched without the necessary precautions. Thus, the electronics should be looked after by qualified technicians, only.
- The accompanying "safety chain" must be used when the service engineer moves around underneath the lifting platform.
- MAX. load 180 kg must not be exceeded.
- The lifting platform and access ramp must be swept clear of gravel, fallen leaves, snow, etc., before use.
- The lifting platform is designed for passenger transport, and must be used in accordance with the instructions given in this manual.
- The lifting platform must not be used during fire.
- Safety equipment must only be reset by qualified assistance.
- Playing with or around the lifting platform is not allowed.
- A simple and serviceable »Emergency Procedure« must be described and agreed between the user and the helper. This is to ensure that the user does not get trapped on the platform in the event of electrical or mechanical failure.

1.04

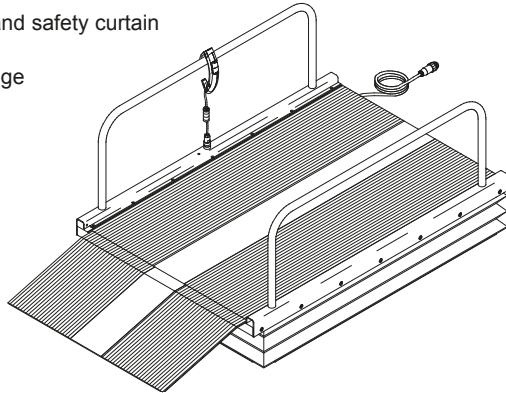
Unpacking and Preparation

Visual Check

If the packaging is damaged on receipt, the parts of the lifting platform should be inspected carefully for visible deficiencies, defects or faults. If damage is suspected, the lifting platform must not be used before qualified service personnel or the Guldmann Service Team have authorised it.

Contents

1. Lifting platform and safety curtain
2. Access ramp
3. Railing/safety edge
4. Power supply
5. Hand switch
6. Manual



1.05**Safety rules when assembling/servicing the lifting platform**

There is a danger of being crushed between the platform's movable parts when working under the platform.

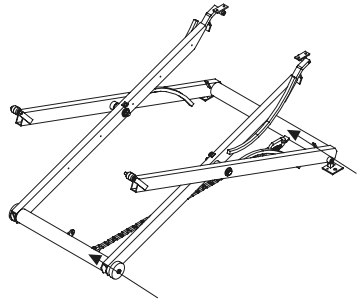
Therefore, the following safety rules **MUST** be followed:

1. The safety chain/strap must always be used when working under the platform.
2. The lifting platform must **NOT** be raised or lowered while working under the platform, even when the safety equipment is installed.
3. Once the platform is assembled and connected so that it can be raised and lowered, only one person may work on it at a time.

Safety equipment

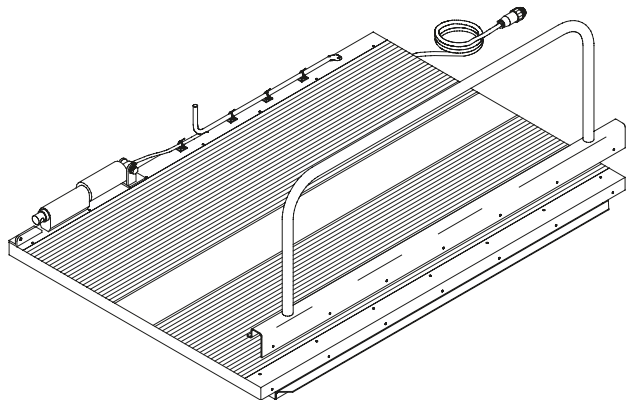
When working under the platform, the safety chain/strap **MUST** be used.

The safety chain/strap is fitted between the special safety eyelets on the scissors or the two central tubes of the scissors (see picture). Once the chain/strap has been fitted, lower the platform until the chain is taut, i.e. until the traction wheel "releases" the curve.



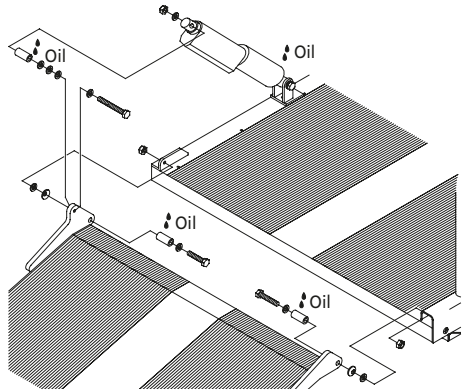
1.06**Assembly before use****Safety edge/railing, left side (side without actuator)**

1. Unscrew the mounting screws which are premounted from the factory on the upper plate.
2. Mount the safety edge/railing on the upper plate and tighten the screws again.



Access ramp, fixing to the lifting platform

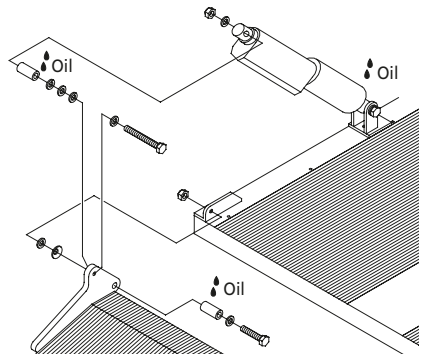
1. Take off all screws, washers, bushings, and nuts which are mounted on the hinges of the access ramp.
2. Place a washer and a lubricated bushing on the screw and place it in the left hinge.
3. Place the disc washer on the bushing, note: it must not join firmly.
4. Place washer no. two on the screw and mount it through the hole of the side edge.
5. Mount the nut and tighten it – but not completely.
6. Place a washer and a lubricated bushing on the screw and place it on the right hinge.
7. Place the disc plate on the bushing, note: it must not join firmly.
8. Place washer no. two on the screw and mount the screw in the angle profile.
9. Mount the nut and tighten it completely.
10. Now tighten completely the nut in the safety edge described in point 5



Access ramp, mounting of the actuator:

Note: components are mounted in correct order on delivery

1. Lubricate the bushing and place it in the actuator.
2. Place the washer on the screw and mount it, from the middle of the platform, through the top hole of the access ramp.
3. Place the three washers on the screw.
4. Lift up the access ramp to a position allowing the screw to be pressed through the bushing of the actuator.
5. Place a washer on the screw.
6. Screw the nut on and tighten it completely.
7. Oil or lubricate the space between the bottom of the actuator and the hinge.



Safety edge/railing, right side (actuator side)

1. Unscrew the mounting screws which are premounted from the factory on the upper plate.
2. Mount the safety edge/railing on the upper plate and tighten the screws again.

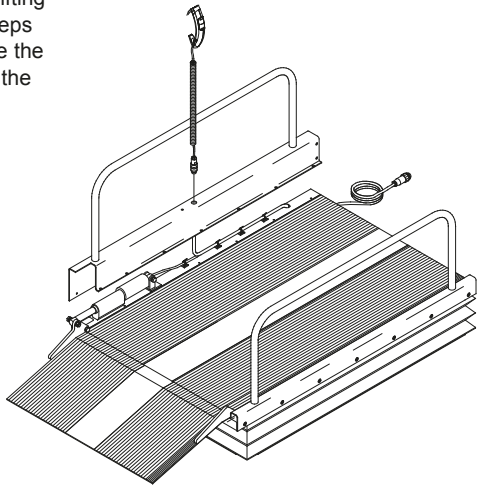
End caps

1. Insert end caps in the ends of the lower safety edge.

Hand switch

1. Hang the hand switch on the railing.
2. Connect the plug to the corresponding female plug in the safety edge.
3. Tighten the union nut and switch on the current.

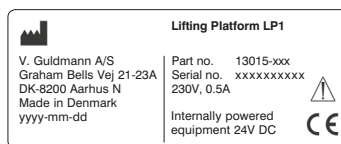
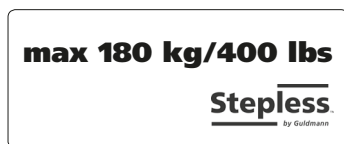
As the noise level of the lifting platform is minimal, no steps should be taken to reduce the noise level further during the installation.



1.07

Assembly – Recessed Lifting Platform

If the lifting platform is recessed, it must be assembled by the Guldmann Service Team or by an engineer authorised/instructed by Guldmann. The assembly must follow the mounting drawings/assembly instructions. The assembly instructions shall be given to the engineer by the manufacturer or the distributor.



Overload label placed at the overload indicator on the safety edge of the lifting platform.

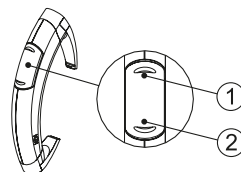
Operation – electric

The lifting platform is operated by means of a hand control with a spiral cord, allowing each user freedom of position.

The operation and use of the lifting platform is logical and unproblematic, even without prior knowledge of the platform.

Raising the lifting platform from the lower level

1. When the lifting platform is at the lower level, and the access ramp is lowered down onto the level, the wheelchair user can drive into/up onto the lifting platform without hindrance.
2. Activate the hand control by pressing »1«, and the access ramp will be raised, thereby acting as the drive-off lock.
3. When the access ramp is right up, and »1« continues to be depressed, the platform will be raised.
4. Once the lifting platform is at the correct level it stops automatically, and the user can drive off.



If the lifting platform is overloaded, the indicator lamp on the safety edge of the lifting platform will be on and the lifting platform will not lift or lower. After the overload has been removed, the lifting platform will can operate again.

Lowering the lifting platform from the upper level

1. The wheelchair user drives into the lifting platform.
2. Activate the hand control by pressing »2« and the lifting platform will descend. Button »2« will remain active as long as it is depressed.
3. Once the lifting platform has reached the lower level the access ramp will be lowered, and the user can drive off the lifting platform.

Important!

Individual and specific consideration should be given to how an emergency summoning system should work. One or more persons should be appointed to be responsible for helping with the correct use of the lifting platform. The person(s) responsible should always be able to be summoned in the event of an emergency and the users should be informed of who is responsible.

It is recommended that users who are particularly dependent on the lifting platform purchase a battery backup – see under accessories.

Description of emergency stop

The emergency stop must only be used in the event of an emergency. If it should be necessary to use the emergency stop because of a malfunction, the distributor must be contacted before the lifting platform is used again.

The emergency stop is located in the centre of the safety edge. It stops all movement when activated.

The emergency stop should be turned out, and by pressing on the hand control button the LP1 restarts.

Description of emergency lowering – access ramp

The access ramp is fitted with a bolt in the actuator. Unscrew this bolt and the access ramp will open up. See point 1.06.

Important!

When the bolt has been removed from the access ramp, the access ramp will no longer be attached – Hold the access ramp firmly when removing the bolts.

Safety curtain

Ensures that no one can get in underneath the lifting platform, when it is at the upper level and thereby risk getting caught when the lifting platform is lowered. The safety curtain is mounted from the factory.

Mounting of safety curtain

1. One piece of the velcro of the safety curtain is mounted on the upper and lower plate of the lifting platform from factory.
2. Place a broomstick or similar through the scissors construction across the platform.
3. Put the safety curtain over the upper plate and leave it on the broomstick with no contact to the platform.
4. Press the velcro on top of the safety curtain firmly together with the velcro placed underneath the upper plate, starting with the corners opposite to the access ramp end.
5. Press the velcro on top of the safety curtain firmly together with the velcro placed underneath the upper plate at the corners of the access ramp end.
6. Remove the broomstick.
7. Press the velcro at the bottom of the safety curtain firmly together with the velcro on the lower plate of the platform.

Safety nosing list

If anyone or anything gets caught under the platform when it is lowered, the descent will stop as soon as the safety nosing list is activated. This safety function can be deactivated by pressing the »↑« button and removing the person/object which activated the safety nosing list.

Overload protection

The design of the platform provides the platform a protection against overload both during lifting and lowering. This means that the platform will always raise a little when the down button is activated. In case of overload the platform will not raise or lower.

2.04

Accessories

Battery Backup

Guldmann recommends a battery backup if the area is subject to losses of power.

The battery backup ensures that the lifting platform can work even if the supply voltage fails. In the event of a power failure, the battery backup will provide the supply voltage, and all functions will be active/serviceable as long as there is power in the batteries.

Important!

It is important that an indicator lamp is fitted, and that this is always visible when the lifting platform is fitted with a battery backup. This lamp should show whether the line voltage is switched on.

External operating panel

Extra operating panels with »↑« »↓« buttons, for assembly on walls and the like. Available with a lock.

Wireless operation

This can be used in cases where there are one or more independent users. It gives the users the opportunity of controlling the lifting platform, such that they are not dependent on a helper.

Important!

When the user is independent, the remote control should be attached to the user in a suitable manner, such that it is always within the reach of the user.

3.00 Dismantling and Transportation

3.01 Transportation

The lifting platform can be taken apart for ease of transportation and storage; lifting platform, railing and access ramp.

3.02 Packaging During Transportation

Guldmann recommends that the lifting platform always be transported in its original packaging – when taken apart.

4.00 Maintenance and Storage

4.01 Cleaning

The LP1 can be cleaned with a sponge or brush and soapy water.
The lifting platform may be sprayed or showered with normal water pressure, it may not be rinsed under high pressure.
Acids, bases and solvents should never be used for cleaning.

4.02 Keeping and Storage

No special requirements.

The lifting platform contains electronics that must be disposed of according to current rules.

4.03 How to Avoid Corrosion?

The lifting platform is made from corrosion-resistant materials, and does not require further corrosion prevention.

4.04 What Maintenance is Required by the Owner?

Cleaning as required.

5.01 Useful Life and Servicing

The lifting platform must be inspected in accordance with national law, and at least once a year.

The lifting platform has an expected useful life of 10 years with regular daily use. This calculation of useful life is based on the correct use, cleaning and maintenance of the lifting platform, as well as an annual inspection and maintenance by qualified personnel or by the Guldmann Service Team. After this period, the lifting platform should be assessed by qualified personnel before further use.

Spare parts lists and drawings can be ordered from the manufacturer or the distributor.

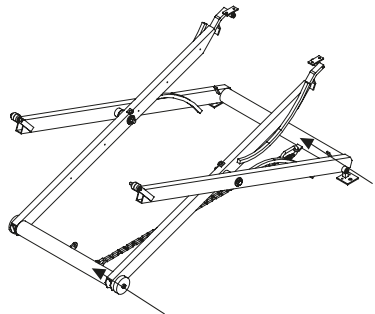
5.02**Fuses**

If the fuse blows, the reason for this must be investigated by a competent engineer. Fuses should be replaced by qualified personnel before the lifting platform is used again.

5.03**General inspection*****Important!***

The accompanying safety chain/strap **MUST** be used when a service engineer is working under the lifting platform.

A report of what has been checked and replaced should be kept during the service inspection. Parts which are worn or defective should be replaced with new spare parts from Guldmann.



1. Visual check of the product
 - Check the product for signs of wear and tear.
 - Check the product for any faults.
 - Check that there is no other form of damage to the product.
2. Testing of the product, as for normal use
 - Check all the product's functions, loaded and unloaded.
 - Check that the emergency lowering works.
 - Check that the voltage indicator works.

3. Control of the electrical state of the product
 - Check electrical functions and signals.
 - Check the wiring for faults and defects.
 - Check the cable bushings.
 - Check connection options, connectors, etc.
 - Check the seal on the control box.
4. Control of the mechanical state of the product
 - Clean dirt and other impurities from the product.
 - Inspect and assess vital parts of the product.
 - Replace any parts of the product which are defective or worn.
 - Lubricate the product.
5. Go through point 2 again, to check that everything works
6. Did any new problems arise/were new problems noted in point 5?
 - If new problems arose, go back to point 2.
 - If no new problems were noted, conclude the inspection.

5.04

Trouble Shooting

1. Is the plug from the mains network in the socket?
 - Put the plug in the socket.
2. Is the socket switched on?
 - Switch the socket on.
3. Is there power in the socket, the fuse may have blown?
 - Check the fuses and change the fuse if necessary.
4. Is the emergency stop activated?
 - The emergency stop is released by turning the switch until it springs up.
5. Can the lifting platform mounted with safety nosing list go up but not down?
 - Clean any impurities from the safety nosing strip.
 - Check the safety nosing strip for other blockages.
6. Are the connecting plugs between the source of power and the lifting platform connected?
 - Connect the plugs.
7. Is the platform overloaded?
 - Remove some of the load from the lifting platform.
 - Observe the maximum load indication of the platform.

If the above points do not solve the problem, please contact the Guldmann Service Team.

Dimensions

LP1 outside dimensions (length/width/height) 1167x883x480 (999) mm

LP1 inside dimensions (length/width) 1167x719 mm

Lifting height 100 - 580 mm

Weight 50 kg

Maximum load 180 kg

Lifting speed. 25 mm/sec.

Electrical connection

(dependent on national standard voltage) 230V/115V

Power consumption on stand-by 6 W

Power consumption in operation 192 W

Fuse ø5 x 20 mm glass, T10A

Noise level 52 dB(A)

Cap class

Lifting platform – components IP 65

Hand control. IP 20

Microswitches in hand control IP 67

Permissible operating time/operating factor

(Work/Break ratio in percent) 15/85

The product is manufactured in compliance with the Council Directive 2006/42/EC of May 17th 2006 on machinery and amending Directive 95/16/EC.

USA and countries outside the EU

A. **Users guide**

Before using the product, read the entire operation manual including warranty.

B. **WARRANTY**

Guldmann warrants its equipment is free from material defects under normal use, and will perform substantially in accordance with the specifications set forth in documentation provided with the equipment.

This express warranty shall be in effect for one year from the date of original purchase and installation (the "Warranty Period"). If a valid claim is made during the Warranty Period for malfunction or equipment defect, Guldmann will repair or replace the equipment at no additional cost to you. Guldmann retains sole discretion as to whether the equipment will be repaired or replaced.

This warranty shall be null and void if the equipment is operated and maintained in any manner inconsistent with its intended use or the instructions provided with the product. Further, in order for the warranty to remain in effect for the full Warranty Period, all service to the equipment must be provided by a Guldmann designated technician. Any parts or components repaired or replaced by a Guldmann designated technician will be guaranteed for the remainder of the Warranty Period.

The warranty does not cover any part of the equipment which has been subject to damage or abuse by the user or others. The warranty does not cover any part of the equipment which has been altered or changed in any way by the user or others. Guldmann does not warrant that the lifting device functions will meet your requirements, be uninterrupted or error free.

The warranty set forth is in lieu of all other express and implied warranties, whether oral, written or implied, and the remedies set forth above are your sole and exclusive remedies. Only an authorized officer of Guldmann may make modifications to this warranty, or additional warranties binding on Guldmann. Accordingly, additional statements such as advertising or presentations, whether oral or written, do not constitute warranties by Guldmann.

Service or Repair

Contact Guldmann Repair for an authorization to return any defective item during the Warranty Period. You will be provided with a return authorization number and address for returning the item for warranty service or replacement. Do not return items to Guldmann under warranty without receiving a Return Authorization Number.

If mailing the item, pack it carefully in a sturdy carton to prevent damage. Include your Return Authorization Number, a brief description of the problem and your return address and phone number. Guldmann does not assume the risk of loss or damage while in transit, so it is recommended you insure the package.

