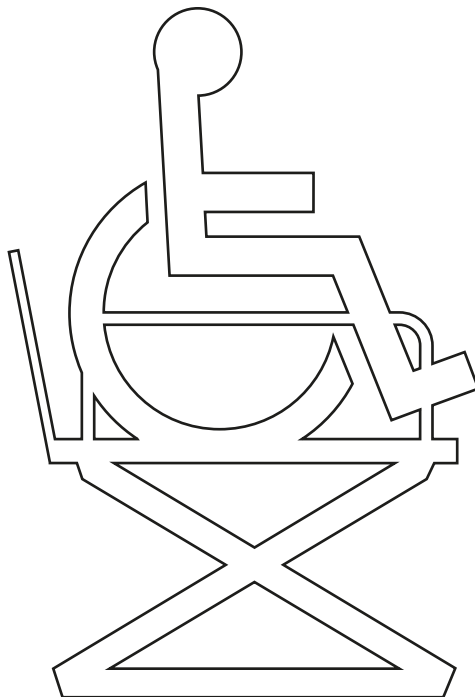


GB . . . . . LP50 & LP50H Lifting platform



Vers. 16.1



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## LP50 & LP50H

### Item no.:

LP50 Vertical lifting platform:	13013-xxx
LP50H Cantilever vertical lifting platform:	13012-xxx

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**1.00 Purpose and use**

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**1.01 Manufacturer**

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**1.02 Purpose and use****Purpose**

LP50 / LP50H is a floor mounted lifting platform which can be used by persons with impaired mobility (e.g. walking-impaired, wheelchair users, persons with pushchairs and sack trucks) to meet the demand for negotiating minor height differences of up to 830 mm.

The LP50 is a vertical lifting platform. LP50H is a lifting platform with a combined vertical and horizontal movement.

**Use**

The LP50/LP50H is recessed into the floor in front of the stairs/landing and is designed for permanent installation indoors. The lifting platform may be used in temperatures from 0 to 30 °C.

When the lifting platform is activated, the four safety edges go up automatically and ensure that the user does not roll over the edge when the platform is in motion. When the platform is level with the landing, the platform stops and the safety edge in the front goes down automatically so the user can drive onto the landing.

LP50 / LP50H is designed and produced in accordance with current standards for negotiating height differences (stairs) from 0-830 mm. Be aware of local regulations in relation to lifting height.

Great importance is attached to the design and implementation to achieve an attractive and harmonious installation in different environments, private and public. Public environments are institutions, public buildings, etc., where the lifting platform is subject to a certain amount of supervision. In these environments, the lifting platform should be locked, protecting it 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.

- All of the operating instructions must be read before the product is used.
- The LP50 / LP50H must be assembled by the Guldmann Service Team, or by an engineer approved by Guldmann.
- The lifting platform is controlled by a microprocessor print which can be damaged by static electricity if touched without the necessary precautions. The electronics must therefore be serviced by trained technicians only.
- Moving parts and risk of entrapment under the platform. Therefore the accompanying safety bar/chain must be used when the service engineer moves around beneath the lifting platform.
- The max. load must not be exceeded.
- The lifting platform is to be used to transport people only, and must be used in accordance with the descriptions in this manual.
- The brakes of the user's wheelchair or similar must be applied.
- All playing by and with the lifting platform is forbidden.
- When platform is in motion, be aware of obstacles near or under the platform.
- A simple and usable "Emergency procedure" must be described and agreed between the user and the helper. This must ensure that the user does not become trapped on the platform in the event of an electrical or a mechanical failure.
- The lifting platform must not be used during fire.
- Safety equipment must only be reset by qualified assistance.
- Make sure that the area in front of the lifting platform is free.
- After use ensure that the lifting platform is in its lowest position and check that the safety edges are completely down before leaving the lifting platform.
- Service under the platform must not be performed while the platform is powered.

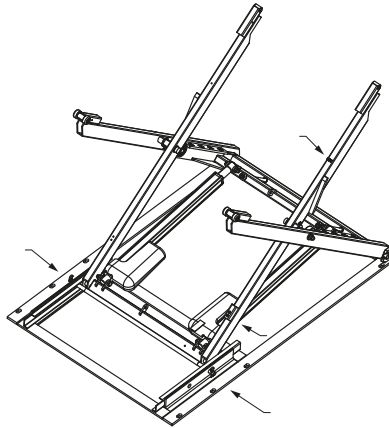
When working beneath the platform, there is a risk of becoming trapped between the moving parts of the platform. The following safety rules must therefore be observed:

1. The safety bar/chain must always be used while working beneath the platform.
2. The lifting platform must NOT be raised/lowered while work is going on beneath the lifting platform. This applies even if the safety equipment is installed.
3. When the lifting platform is assembled and connected so that it can be raised/lowered, only one person may work on it.

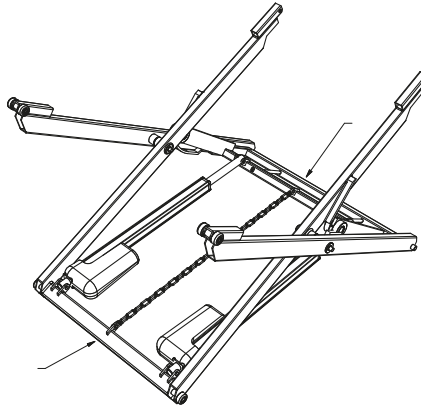
**Safety equipment**

A mechanical safety lock MUST be used while working beneath the platform. Platforms made after 09/2021 will contain a safety bar. Earlier platforms will contain a safety chain.

The safety bar is inserted in the holes on the side rails. Attach the spring cotter pins to the ends of the bar.

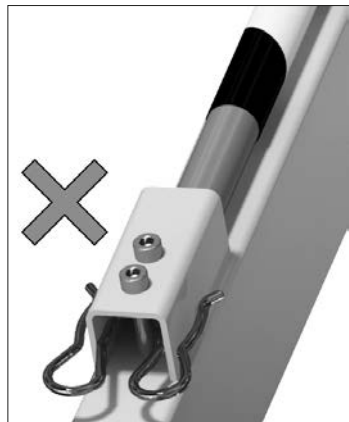
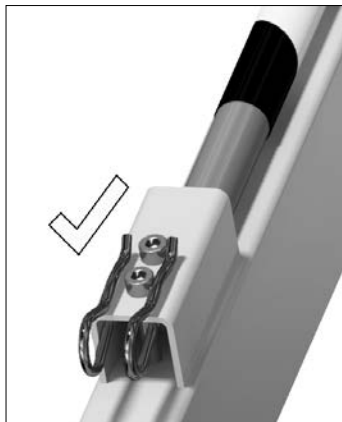


The safety chain is fitted between the safety eyelets on the scissors or the two central tubes of the scissors as illustrated on the picture.



When the bar/chain is in place, lower the platform until the bar is under pressure/the chain is taut, i.e. until the traction wheel “releases” the curve.

After work is concluded the safety bar must be stored between the U-profile and spring clip on the right side on the scissor. Make sure both ends of the bar are placed correctly and won't shake loose.



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## 1.05 Assembly

The lifting platform must be assembled by the Guldmann Service Team or an engineer approved by Guldmann according to Guldmann's instructions.

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

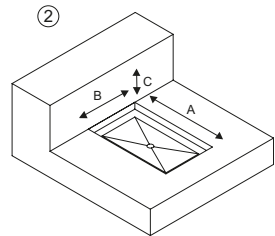
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## 1.06 Recessing the platform

The platform is designed to be recessed in front of the stairs/landing so access without changing levels is provided.

Guldmann has documentation with measurements and exact data about the recessing of the individual platform.

- A: According to the dimension sketch from Guldmann
- B: According to the dimension sketch from Guldmann
- C: 160 mm (+20, -0)
- D: The distance between the pit and the stairs / landing must be as short as possible (according to the dimension sketch from Guldmann).



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## 1.07 Electrical connection

- Input: 90-264 Vac, 50-60 Hz
- Maximum consumption: 625 W

Connect the platform to the mains network via the fitted rubber cable.

- **Brown lead:** Phase lead
- **Blue lead:** 0 lead
- **Green/yellow lead:** Earth clamp

### ***Important!***

For safety reasons, the lifting platform must always be earthed.

Remote control (accessory) uses 3 V lithium battery.

The platform has two 12 V, 4.5 Ah maintenance free batteries as backup to guarantee the platform can always be moved to the nearest landing, even if the mains supply disappears.

A label with the max. load and serial number is placed on the safety edge of the platform. Two extra labels are included which can be placed in an appropriate place on the upper/lower level.



A Stepless label and an overload label are placed on the operating panel on the platform (if an operating panel is ordered).



On the LP50H there are 2 "do not step on" labels with a footprint, which indicate that it is **NOT** allowed to step on the under plate during horizontal movement.



The symbol must be placed by the installer near the upper and lower landings.

A label with a warning and instruction is placed underneath the platform towards the front.



General warning.



Crushing hazard warning. This indicates the dangers of working underneath the platform without safety precautions.



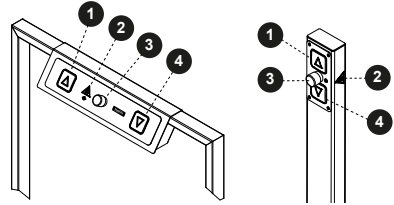
Read the manual before starting work.



The lifting platform is activated by means of the operating panel on the platform or on the possible external operating panels on the upper and lower landing or by wireless operation (option).

The lifting platform is logical and unproblematic to operate and use, even with no prior knowledge.

1. Up
2. Error code indicator
3. Emergency stop
4. Down



### Operation of the lifting platform

1. When the lifting platform is at the lowest level, the user can freely drive up on to the lifting platform.
2. The platform is activated by pressing the up button on the operating panel (1) or on the up button on the wireless hand sender. Hereby the 4 safety edges automatically go up. The button is active as far as long as it is held down.
3. When all 4 safety edges are up, the platform will start to rise.
4. When the platform is level with the landing, the platform stops and the safety edge in the front goes down automatically so the user can freely drive onto the landing.
5. After use the lifting platform must always be lowered to its lowest level. Activate the down button and keep it active until the platform has reached its lowest level. Make sure that the safety edges are completely down before leaving the lifting platform.

The lifting platform is equipped with an error code indicator. If an error occurs on the platform the indicator will blink. See section 4.03 for how to proceed.

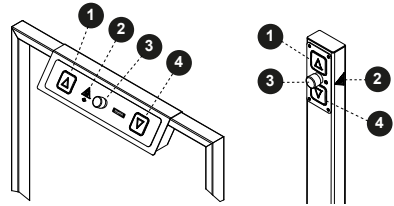
**Important!**

Individual and specific consideration must be given to how a two-way emergency communication system must work. One or more responsible people should be appointed to help with the correct use of the lifting platform. It should always be possible to call those responsible in any emergency situation. The users must be informed of who holds this responsibility.

**Description of the emergency stop**

The emergency stop must be used in emergencies only. If the emergency stop is activated owing to a malfunction, the dealer must be contacted before the lifting platform is used again.

The emergency stop (3) is positioned in the centre of the control panel. It stops all movement when activated.

**Important!**

To restart the lifting platform, pull out the emergency stop button and press either up or down button on the control panel.

**Safety curtain**

The safety curtain ensures that nobody can move in beneath the platform when it is at its highest level and thereby risk getting caught when the lifting platform is lowered. The safety curtain is fitted upon delivery.

**Safety list**

If anyone or anything gets caught beneath the platforms edge, the floor or the steps, when it is lowered, the descent will stop as soon as the safety list is activated.

Reset the safety function by pressing the »△« button and removing the object that activated the safety list.

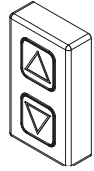
**Safety function - Tilt sensor**

If the platform tilts more than 2.5° sideways, a sensor will stop all movement. The dealer must be contacted before the lifting platform can be used again.

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**2.04****Accessories****Extra control panel**

Extra control panels with function buttons »△« »▽« for mounting on walls and similar. The control panel is available with a lock.

**Wireless operation**

Use this when there are one or more independent users. This allows users to control the lifting platform without being dependent on a helper. The remote control is only to be used when the platform is in the operator's field of vision.

**Important!**

If the user is independent, the remote control must be fastened to him/her in such a way that it is always within the user's reach.

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**3.00****Maintenance**

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**3.01****Cleaning**

The lifting platform can be swept, vacuumed and washed with a sponge/brush and soapy water and wiped dry. It must not be rinsed under high pressure. Never use acids, bases or solvents for cleaning.

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**3.02****Storage and keeping**

No special requirements.

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

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**3.03****How is corrosion avoided?**

The lifting platform is made of corrosion-resistant materials and requires no further corrosion prevention.

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**3.04****What maintenance is required by the owner?**

Cleaning as required.

## 4.01

**Useful life and servicing**

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

The lifting platform has an expected life span of 15 years with regular daily use. The lifting actuator must be replaced after 10000 lifts.

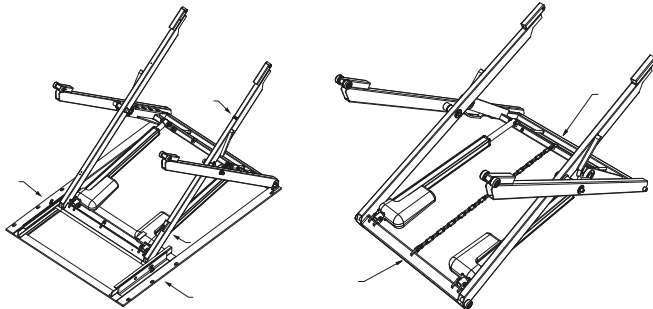
The life span is based on correct usage, cleaning, and maintenance, as well as annual inspection and maintenance by qualified personnel or the Guldmann Service Team. After this period, the lifting platform must be assessed by qualified personnel before future use.

## 4.02

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

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

During the service inspection, a report must be kept of what has been inspected and replaced. Parts that are worn out or defective must be replaced with new spare parts from Guldmann.



1. Visually checking 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.
3. Checking 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. Checking 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 that are defective or worn out.
  - Check and tighten vital parts.
  - 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, finish the inspection.

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#### 4.03 Troubleshooting

1. Is the emergency stop activated?
  - The emergency stop is released by turning the button until it pops out.
2. Is the platform turned on?
  - Turn on the socket.
  - If the platform has been disabled, wait for around 3 hours until the batteries are charged.
3. Is there power in the socket; could the fuse have blown?
  - Check the fuses and change the fuse if necessary.
4. Can the lifting platform go up but not down?
  - Clean any impurities from the safety list underneath the platform.
  - Check the safety list underneath the platform for other blockages.
5. Is the error code indicator blinking?
  - 1 blink: Contact supplier.
  - 2 blinks: Overload. Remove load before the lifting platform can be operated again.
  - 3-7 blinks: Contact supplier.
  - 8 blinks: Uneven load. Make sure the load is evenly distributed on the platform floor.

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

**Note for LP50H only:** 3 blinks may occur if the emergency stop or any other safety features is activated during horizontal movement. Make sure every safety feature is deactivated and try operating the platform again.

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**5.00****Technical specifications****Functions**

Lifting height . . . . .	0-830 mm
Lifting capacity . . . . .	375 kg
Cantilever LP50H. . . . .	900 mm

**Dimensions**

Exterior dimensions LxW . . . . .	1508 x 1140 mm
Interior dimensions LxW . . . . .	1450 x 1090 mm
Pit depth. . . . .	160 mm
Covering depth. . . . .	22 mm

Lifting speed . . . . .	13 mm/sec
Electrical connection . . . . .	.90-264 Vac
Power consumption	
Standby. . . . .	16 W
Standby (sleep mode) . . . . .	10 W
Operation . . . . .	625 W
Batteries (UPS function) . . . . .	2 x 12 V/4.5 Ah
	Gastight and maintenance-free
Noise level . . . . .	.64 dB(A)

Permissible connection time/intermittence factor (Work/Break ratio in per cent) . . . . .	10/90
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**6.00****EU Declaration of conformity**

The product is manufactured in compliance with the Council Directive 2006/42/EC of May 17th 2006, including amendments.

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**7.00****Warranty and service conditions**

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**A.****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.

The warranty does not cover any part of the equipment that has been subject to damage or abuse by the user or others. The warranty does not cover any part of the equipment that 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.

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 certified technician. Any parts or components repaired or replaced by a Guldmann certified technician will be guaranteed for the remainder of the Warranty Period.

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**B. 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.



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