

# POOL LIFT METALU B-2

FIXED – REMOVABLE HYDRAULIC POOL LIFT



## INSTALLATION



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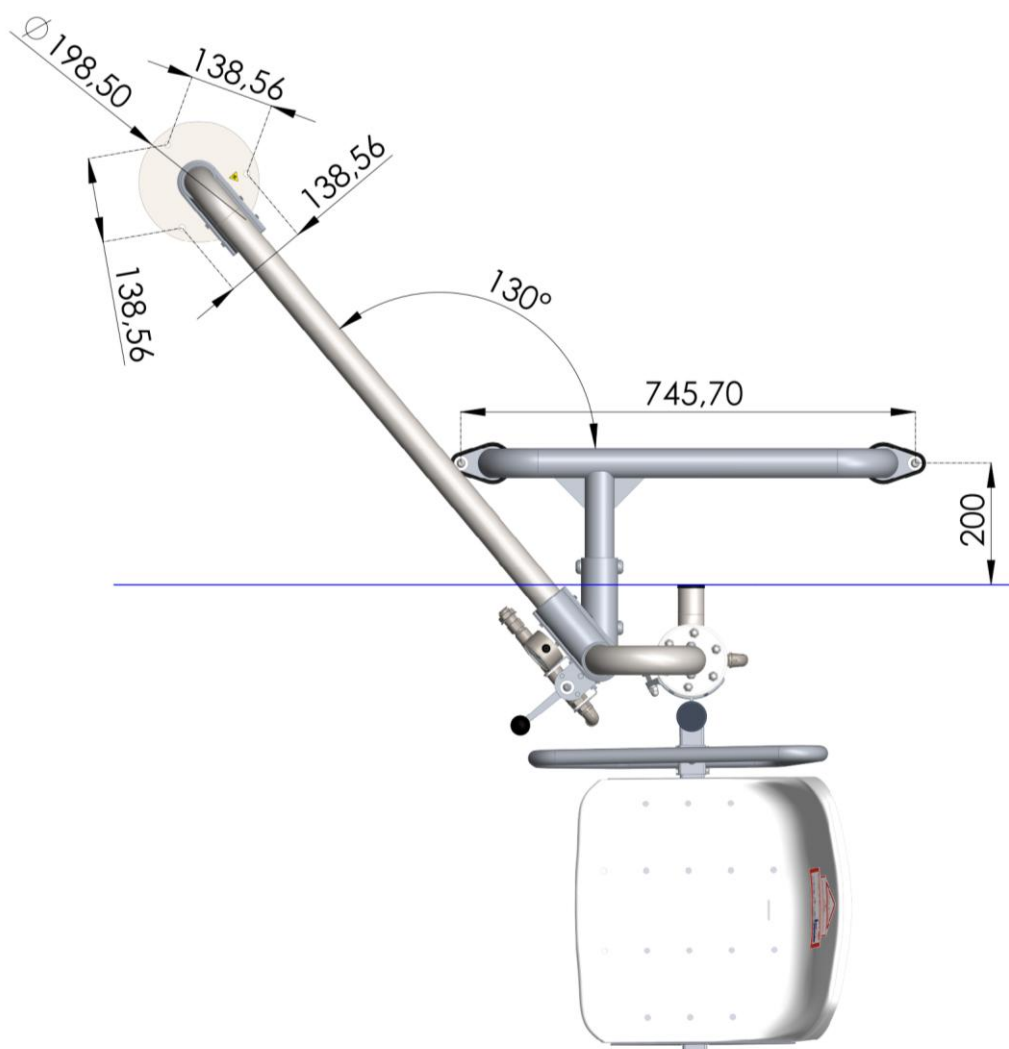
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# Installation pool lift

## 1. Anchor dimensions

The METALU B-2 model is secured by five anchor bolts: two at the support foot and three at the base of the handrail. **These are cylindrical anchor bolts measuring 90 mm in length and 12 mm in external diameter.**

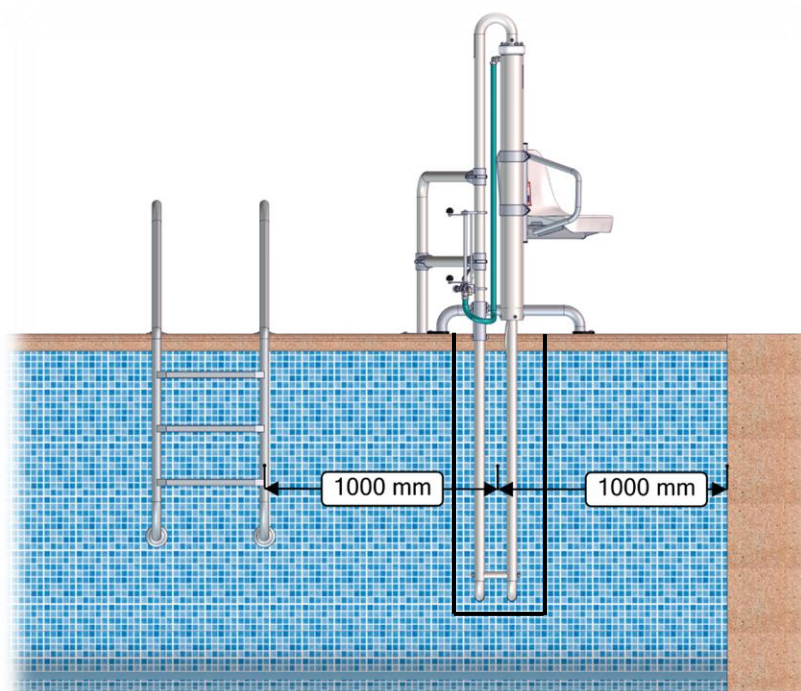
The distances between the anchor bolts (in millimetres) are shown in the following image:



## 2. Pre-installation

Before installing the METALU B-2 lift, the following points must be taken into account:

- When selecting the installation area for the lift, consider the **Spanish Building Technical Code (CTE)**, as well as any regulations applicable in the relevant autonomous community.
- Carefully choose the location of the lift. It is recommended to install the lift where the pool basin has an adequate depth so that, if the user requires assistance from another person, they can stand safely in the pool. The minimum depth permitted for the METALU B-2 model is **1.10 metres measured at the start of the pool cove radius**.
- The lift must have a minimum clear space of **1 metre free from obstacles on each side**.

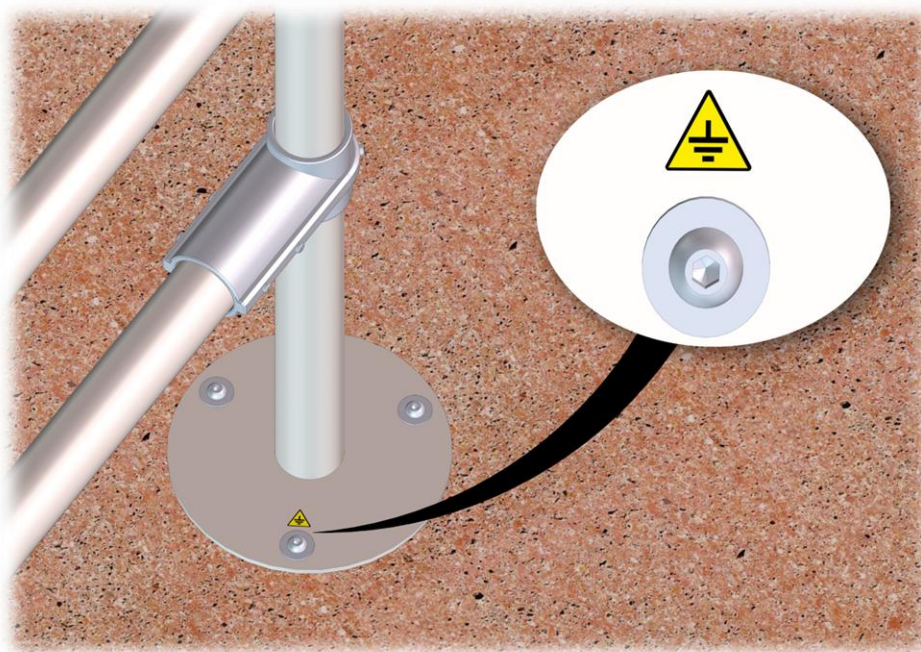


*Minimum clear space of 1 metre free from obstacles on each side.*

- A ½" water supply connection with a pressure between **3.5 and 5.5 bar** must be available at the lift location.
  - If the mains supply does not reach the minimum required pressure, a booster unit or water pump must be installed (see Annex 1 of the document "Exploded view and troubleshooting" for the METALU B-2 model).
  - In case of excessive pressure, install a pressure reducer.
- The inlet hose to the hydraulic system must have a **minimum internal diameter of 12 mm**. A smaller diameter will impair the correct operation of the lift.
- Verify that the lift is not installed above the skimmer, pipework, return inlets or any other external component that could affect the normal operation of any element.

- In order for the warranty to remain valid, it is mandatory to connect the lift to the **supplementary equipotential bonding network (earth connection)**.

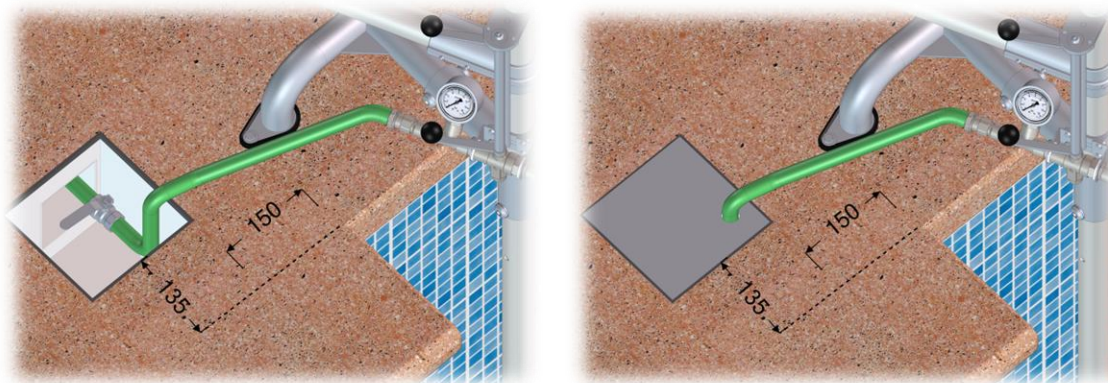
Public or community-use swimming pools must comply with the regulations applicable in the relevant autonomous community when connecting to the **supplementary equipotential** bonding network required for the pool, in accordance with the complementary technical instructions of the Low Voltage Electrical Regulations (ITC-BT-31).



*Supplementary equipotential bonding connection.*

## 2.1 Pre-installation in pools with skimmer-type profile

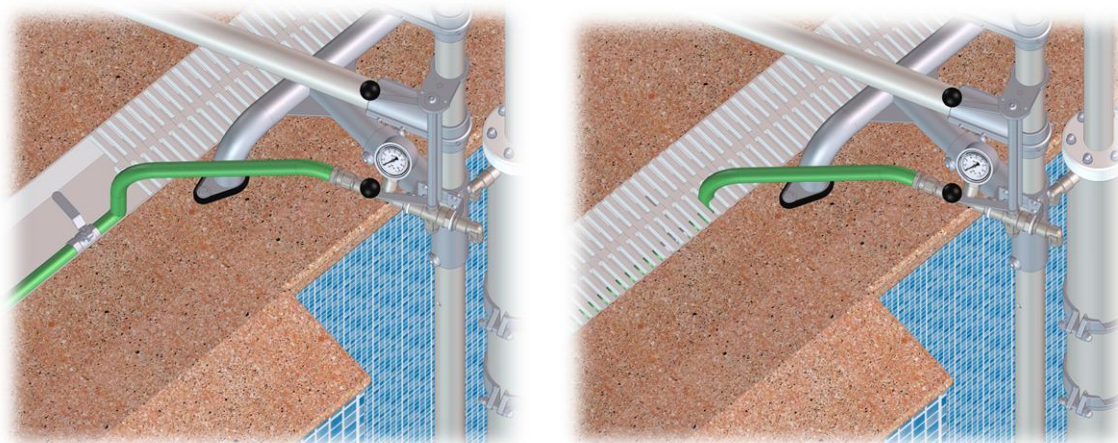
For improved aesthetics, maintenance and safety in **the installation of the lift, it is recommended to install a service chamber** (shut-off valve and water supply connection) near the lift. As a general guideline, and depending on each pool, the chamber should be constructed approximately 150 mm from the nearest anchor point and 135 mm from the edge of the coping stone.



If there are any doubts regarding the pool profile, request the “Dimension form for skimmer-type pool profiles”. By completing this form, a compatibility analysis of the lift will be carried out and personalised advice regarding the pool profile will be provided.

## 2.2 Pre-installation in pools with overflow channel profile

For pools with an overflow channel profile, it is recommended to **use the pool’s drainage channel** in order to install, near the lift, the water supply connection together with a shut-off valve for the lift’s hydraulic system.



*Recommendation to use the drainage channel during pre-installation.*

Similarly, if there are any doubts regarding the pool profile, request the “Dimension form for overflow channel pool profiles”. By completing this form, a compatibility analysis of the lift will be carried out and personalised advice regarding the pool profile will be provided.

### 3. Installation

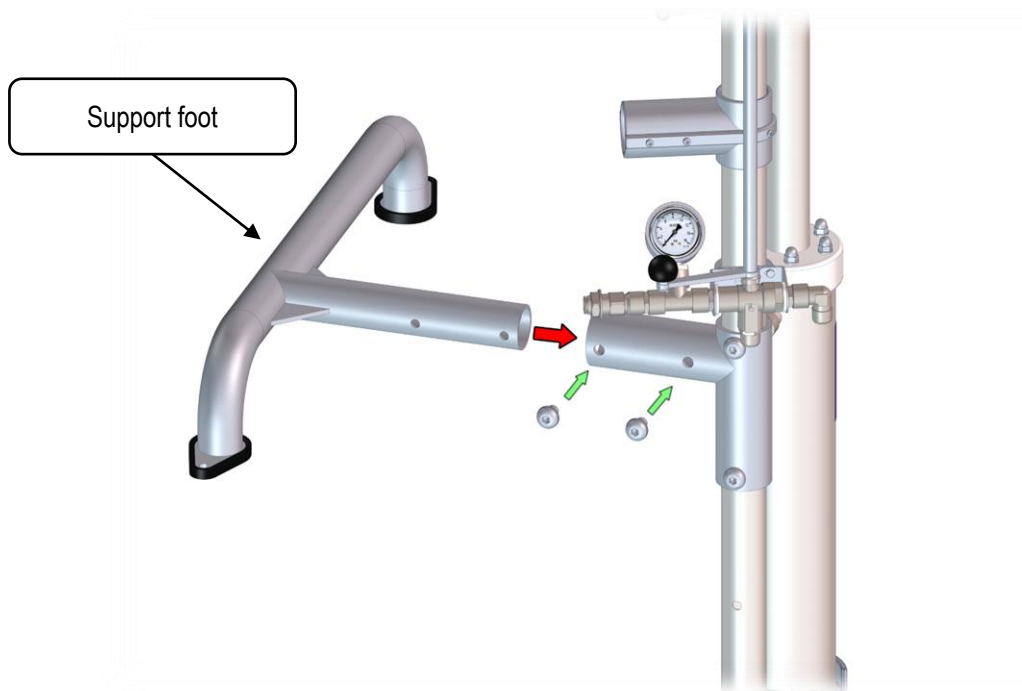
For the installation of the METALU B-2 lift, the following tools and materials are required:

- Hammer drill.
- 14 mm drill bit.
- Torx key (included with the lift delivery).
- Standard tools:
  - 12–13 mm open-ended spanners.
  - Adjustable spanner.
  - Set of hex Allen keys.
  - Pencil or pen for marking drill holes.
- Chemical anchor (epoxy resin).
- Application gun for epoxy chemical anchor.
- Spirit level.

**Important note:** In cases where the support foot cannot be anchored, the lift must not be used for a load capacity exceeding 120 kg.

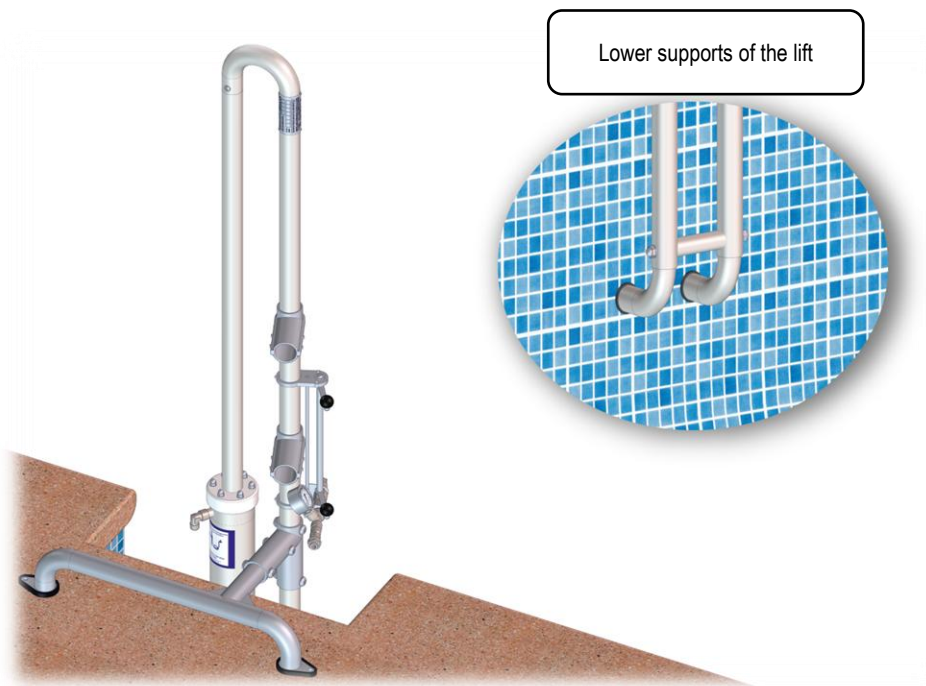
The steps to be followed for installing the lift are shown below. Perform all steps and operations with the lift empty (without load):

**Step 1.** Insert the support foot into the shaft sleeve and tighten the corresponding screws.

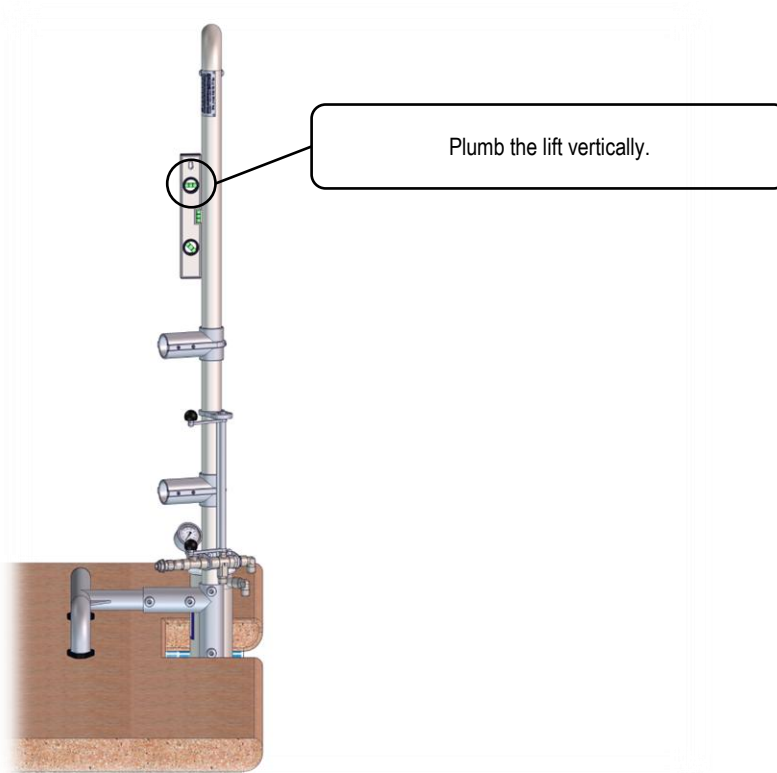




**Step 2.** Choose the location and position the lift, ensuring that the lower supports make contact with the inner wall of the pool.

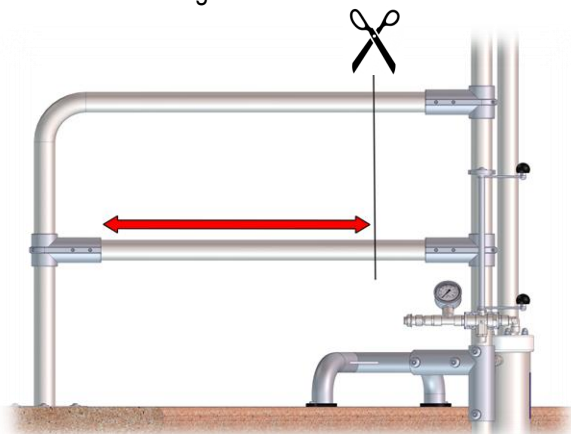


**Step 3.** Plumb the lift shaft vertically while keeping the lower supports (Step 2) resting against the inner wall of the pool.

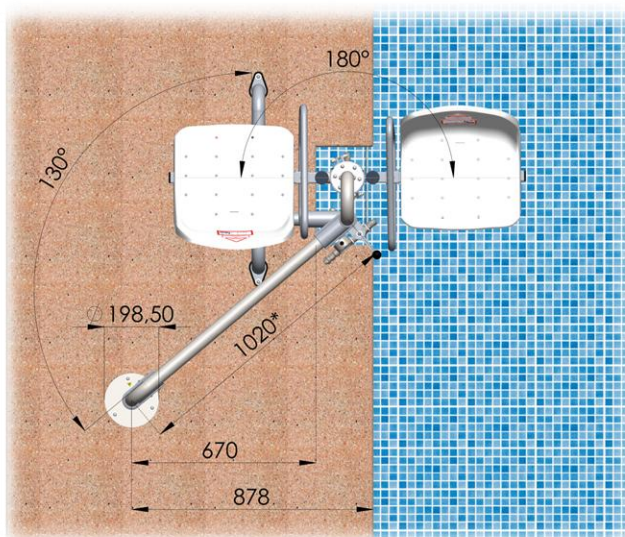


Repeat the previous step as many times as necessary before continuing.

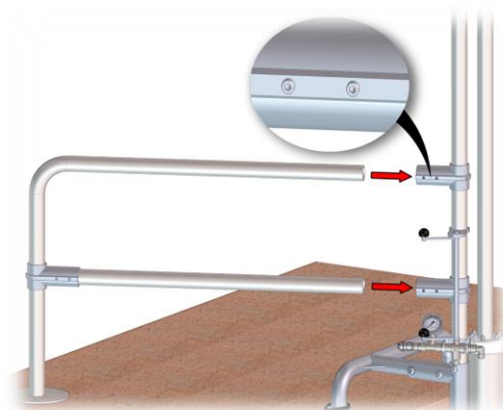
**Step 4.** The handrail can be cut to the length required by the user to adapt the lift to the pool. The handrail must be cut before continuing with the installation.



- The handrail fixing angle is adjustable; therefore, the user can position it as required during installation. As a general rule, **it is usually installed at 130°** to the plane of the pool's inner wall.

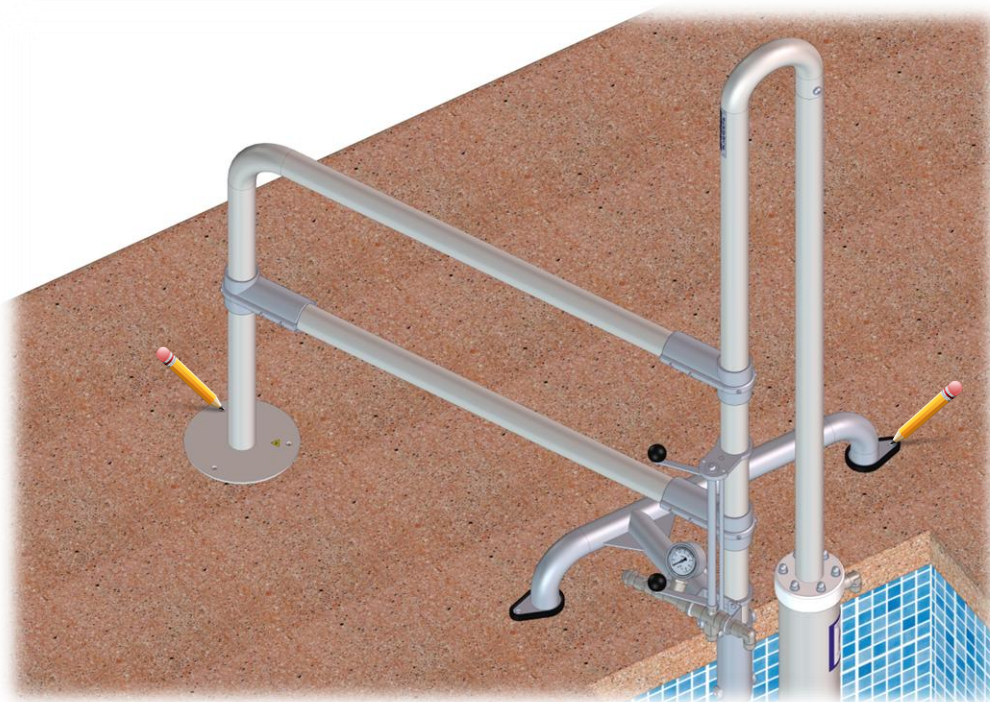


- Once the handrail length has been determined, insert it into the sleeves and tighten the grub screws.



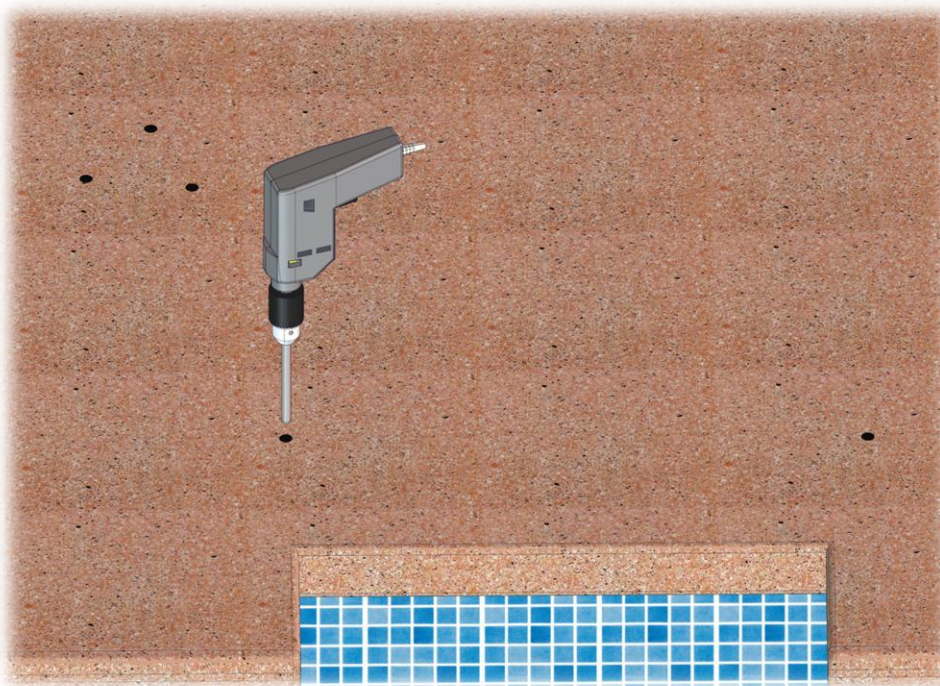


**Step 5.** Mark, as accurately as possible, the five drill holes (two for the support foot and three for the handrail) on the coping stone.



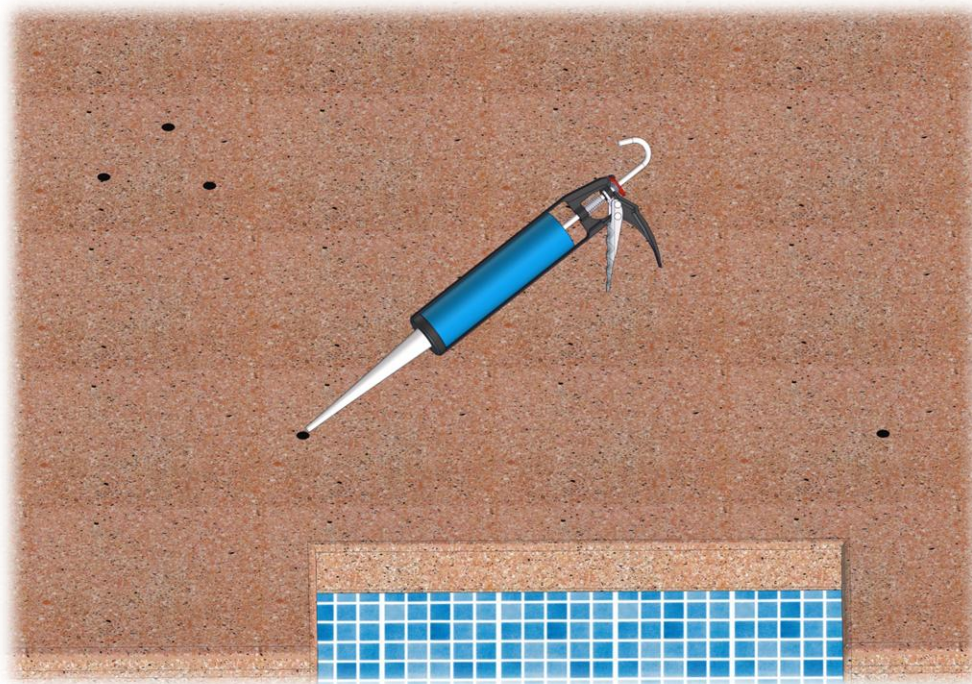
Repeat the previous step as many times as necessary before continuing.

**Step 6.** Drill the five marked points in the coping stone using the 14 mm drill bit. For safety reasons, we recommend that no swimmers are present while drilling.

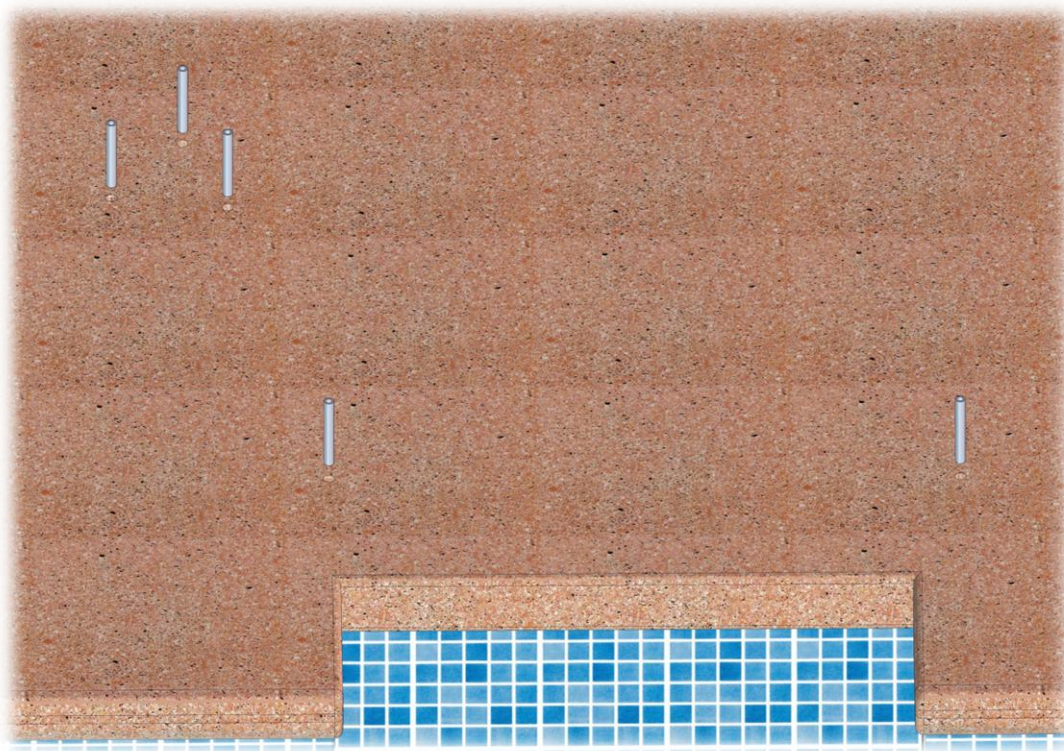


Thoroughly clean all drilling dust using air or water.

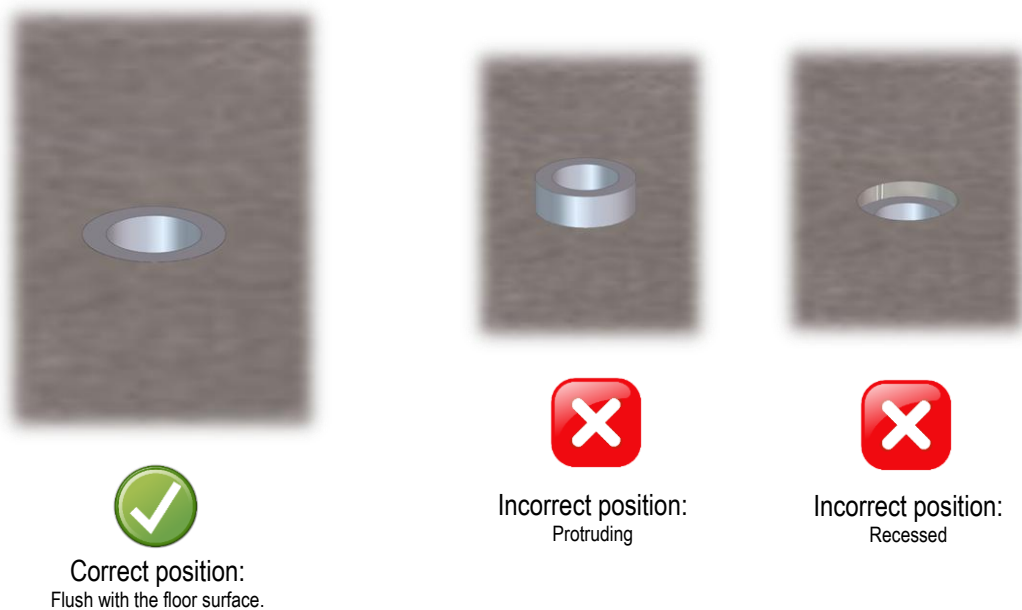
**Step 7.** Apply the epoxy chemical anchor, filling approximately half of each drilled hole.



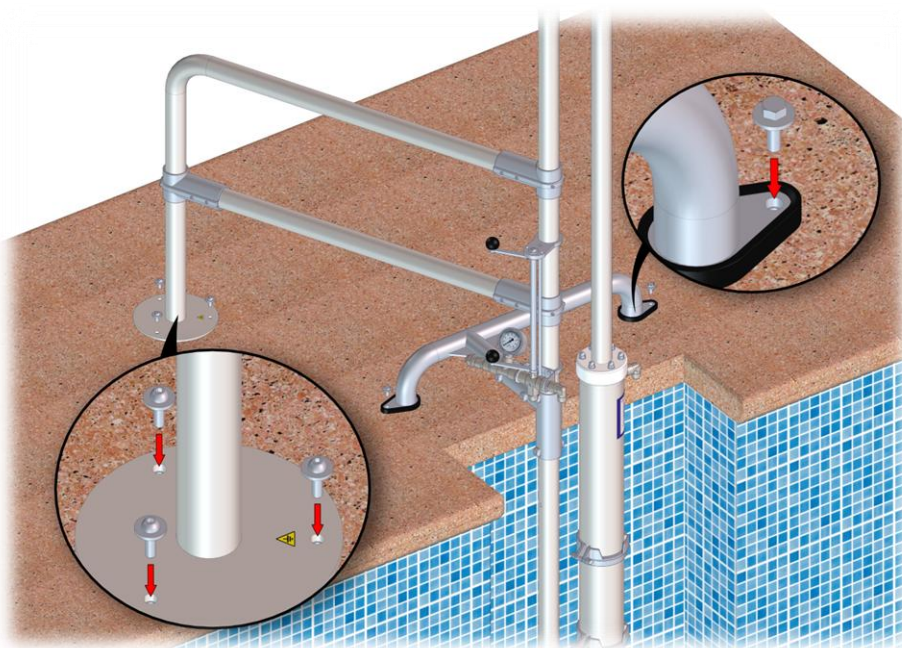
**Step 8.** Insert the five anchor plugs into the drilled holes, ensuring that there are no obstructions inside the holes. If necessary, reapply epoxy chemical anchor to the sides of the holes to prevent air voids from forming.



The anchor plugs must remain **flush with the floor surface, neither protruding nor recessed.**



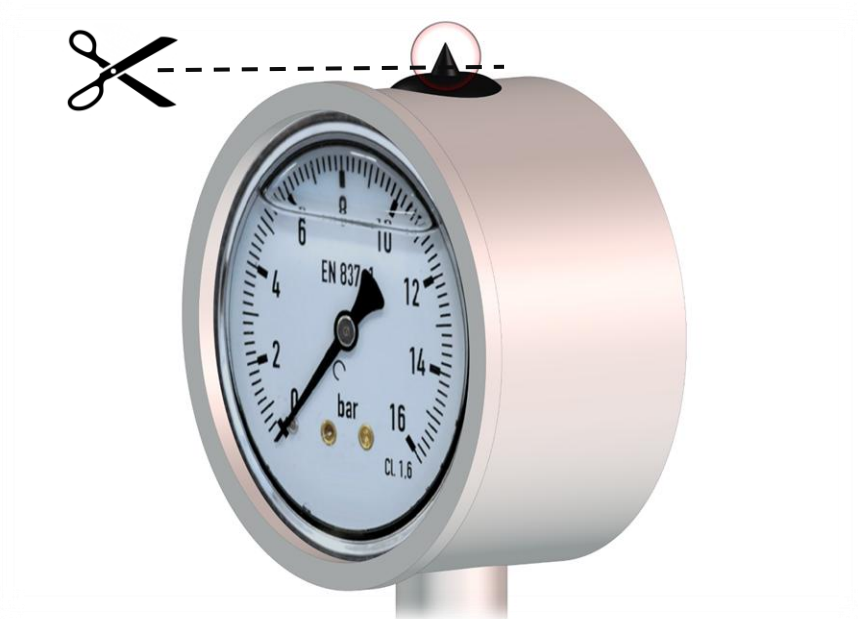
**Step 9.** Position the lift and tighten the relevant screws without fully tightening them. Plumb the lift vertically again as shown in Step 3. Allow the epoxy chemical anchor to cure according to the manufacturer's instructions.



**Step 10.** Once the epoxy chemical anchor has cured and everything has been checked, fully tighten the anchor and handrail screws.



**Step 14.** Cut the tip of the head that includes the pressure gauge. This cut is necessary for correct operation.

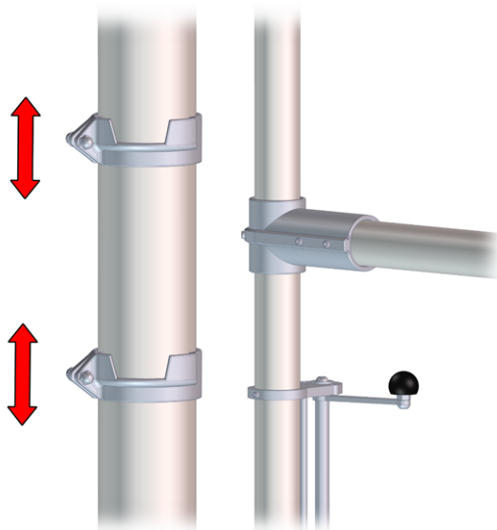


**Step 15.** Raise the lift to the user transfer position and place the seat support into the seat clamps mounted on the cylinder.

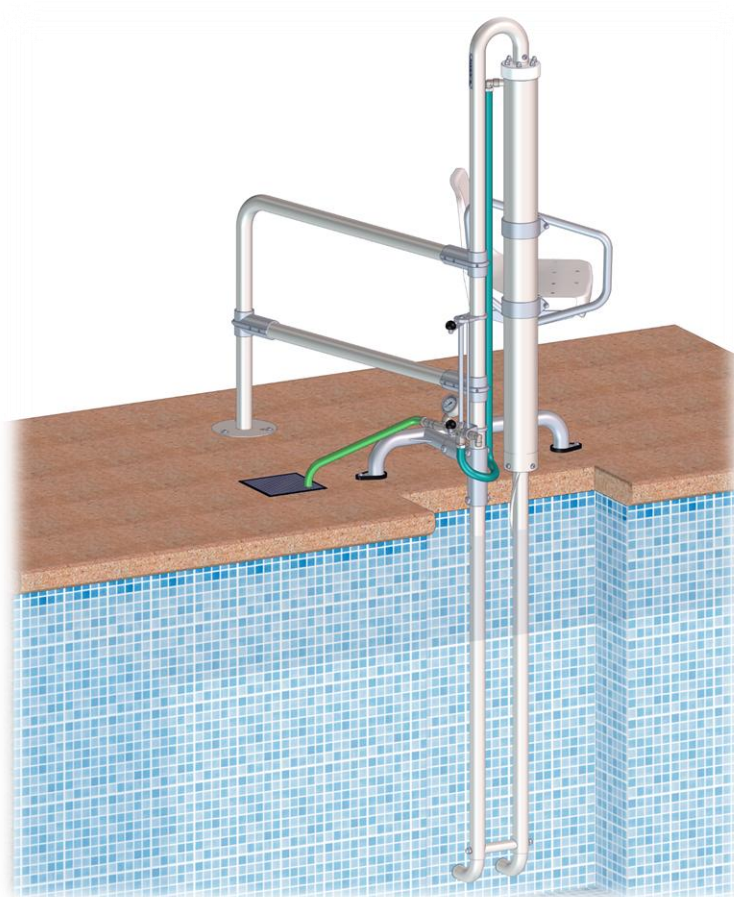




**Paso 16.** If necessary, adjust the seat height by repositioning the seat clamps on the cylinder. Carry out this adjustment with **the seat fitted** in order to correctly set the distance between the two clamps. Loosen the screws, position the clamps and then retighten the screws.



Once all installation steps have been completed, the lift should appear as shown in the following image.





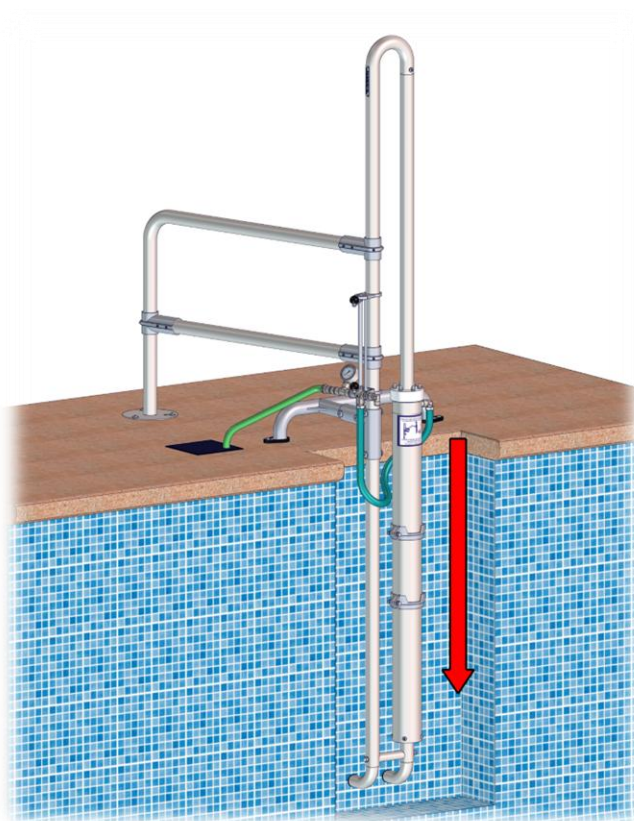
## 4. Dismantling and storage of the product

To dismantle the METALU B-2 lift, follow these simple steps:

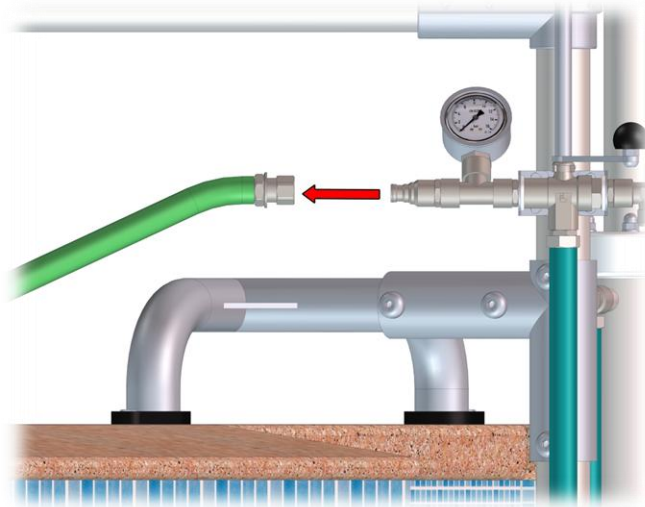
1. Raise the lift and remove the seat support from the seat holder.



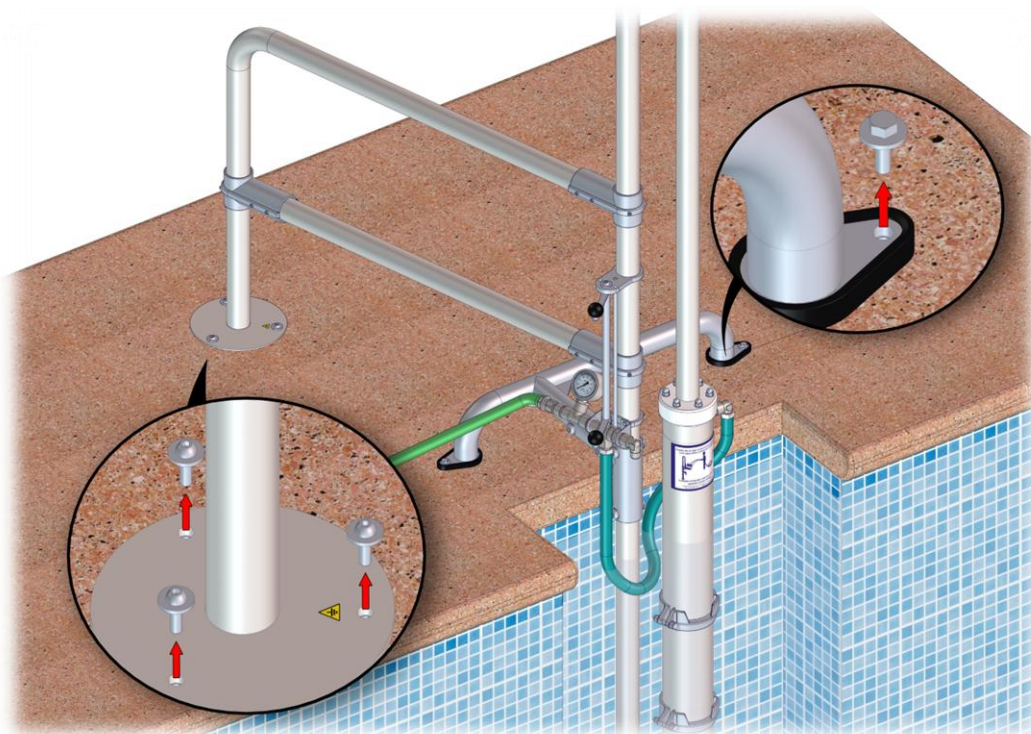
2. Lower the lift cylinder completely.



3. Disconnect the hydraulic system.



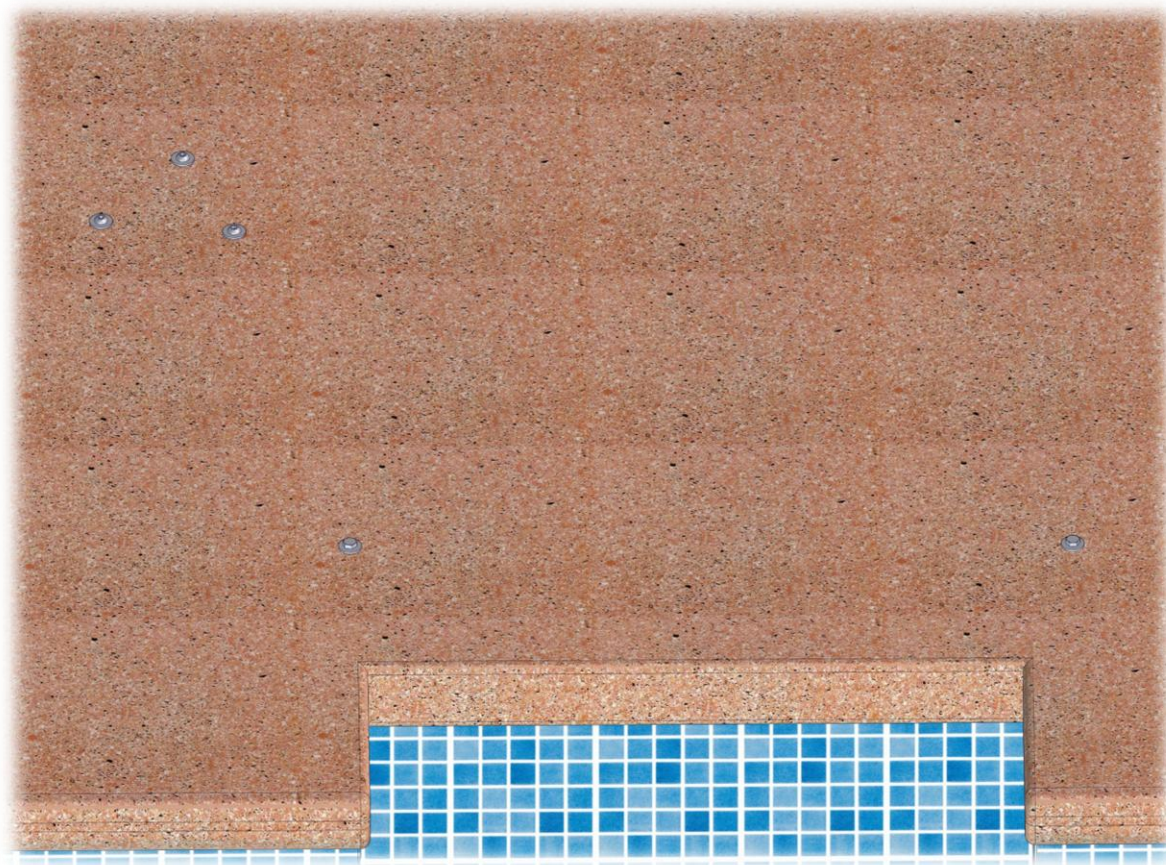
4. Unscrew the screws that secure the lift.



5. Transport the lift to the storage area and store it in a safe, covered place where it will not be subject to impacts or located near chemical products. Store the lift clean, dry and with the cylinder empty, that is, in the fully lowered position.



6. Insert the corresponding screws into the five anchor plugs to protect them and keep them in good condition during periods when the lift is not in use.



# 10 basic rules

**1** METALU equipment must be installed in accordance with the manufacturer's instructions, making any necessary enquiries. The installer must test the equipment once installation has been completed and ensure that everything is functioning correctly.

**2** In accordance with Article 12 of Law 11/1997 on Packaging, the final holder is responsible for the packaging. Reuse it whenever possible and dispose of the remainder at appropriate recycling facilities.  
Protecting the environment is everyone's responsibility.



**3** METALU equipment must only be used by facility managers and authorised users.

**4** Facility managers must be familiar with the equipment after having read the instructions. If, after reading them, there are any doubts, the manufacturer must be contacted using the addresses provided therein.

**5** Facility managers must inform users about the correct operation of the equipment.

**6** Before operating the lift, ensure that the operating radius is clear. While the lift is in operation, do not place hands or any objects in its moving parts.



**7** External cleaning is a mandatory condition for warranty validity. Follow the cleaning instructions supplied with the lift.



**8** In accordance with the Low Voltage Electrical Regulations (REBT), ITC-BT-31, the machine must be connected to the equipotential bonding conductor that the swimming pool is required to have.

**9** The installer must be aware of and take into account the regulations of the relevant autonomous community when carrying out the installation.

**10** If the holder of this document is not the final customer, it must be passed on to them.

# MANUFACTURAS METÁLICAS LUISIANERAS, S.L.

## Hydraulic pool lift METALU B-2 model

### Installation

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**Main telephone:** +34 955 907 784

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#### **Technical support contacts:**

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- Email: [soporte@ascensoracuatico.com](mailto:soporte@ascensoracuatico.com)



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