

Pool lift: METALU PK

Hydraulic pool lift.

Designed for in-ground pools.

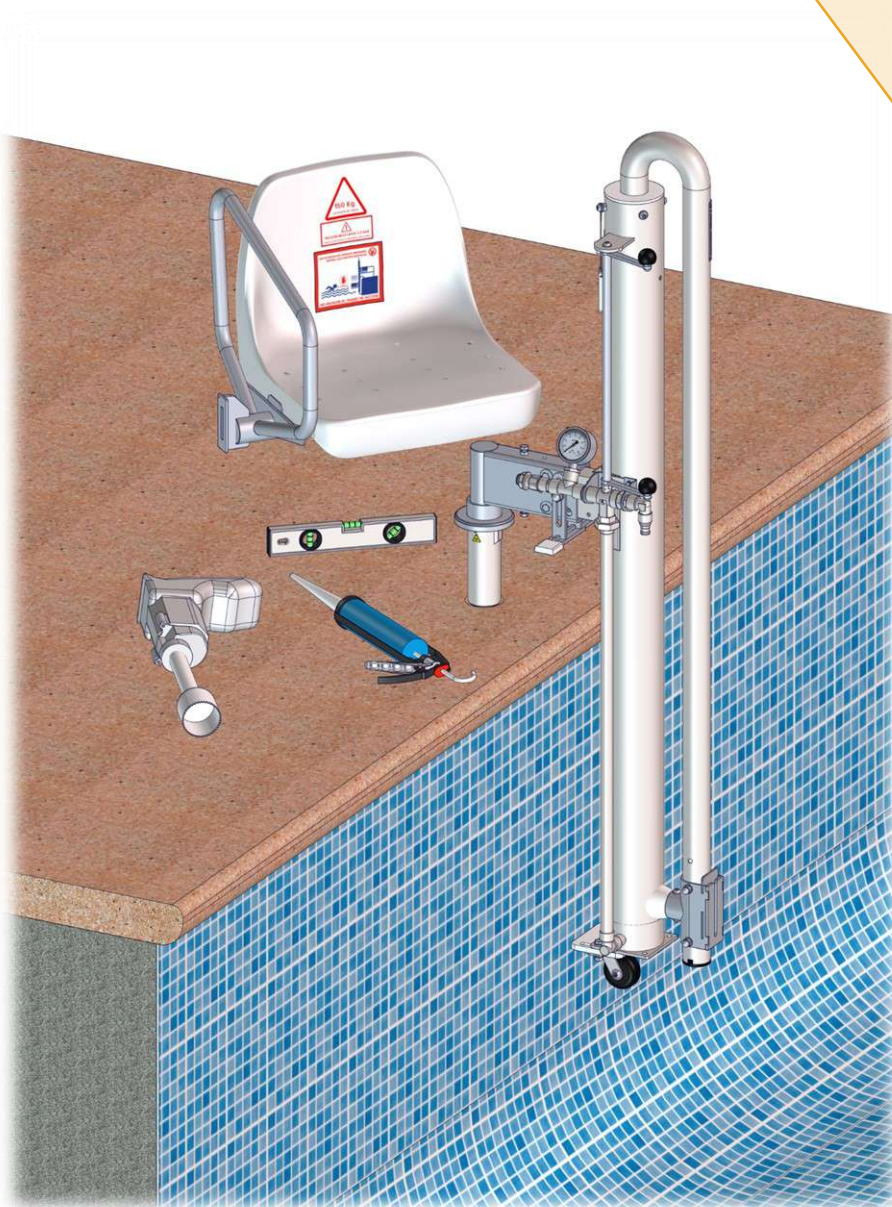


METALU
ascensoracuatico.com



En todo el repuesto

*Pre-installation
and installation.*



ISO 9001
ISO 14001
BUREAU VERITAS
Certification



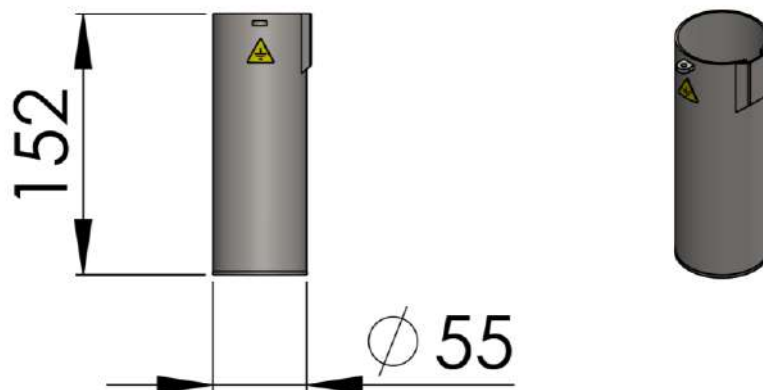


Contents

1. Anchoring distances.....	3
2. Pre-installation.	4
2.1 Pre-installation in skimmer type pools.	6
2.2 Pre-installation in pools with an overflow channel profile.	6
3. Installation.....	7
4. Disassembling and storing the product.	12
Annex 1: Install bolts according to the anchoring position.	15

1. Anchoring distances.

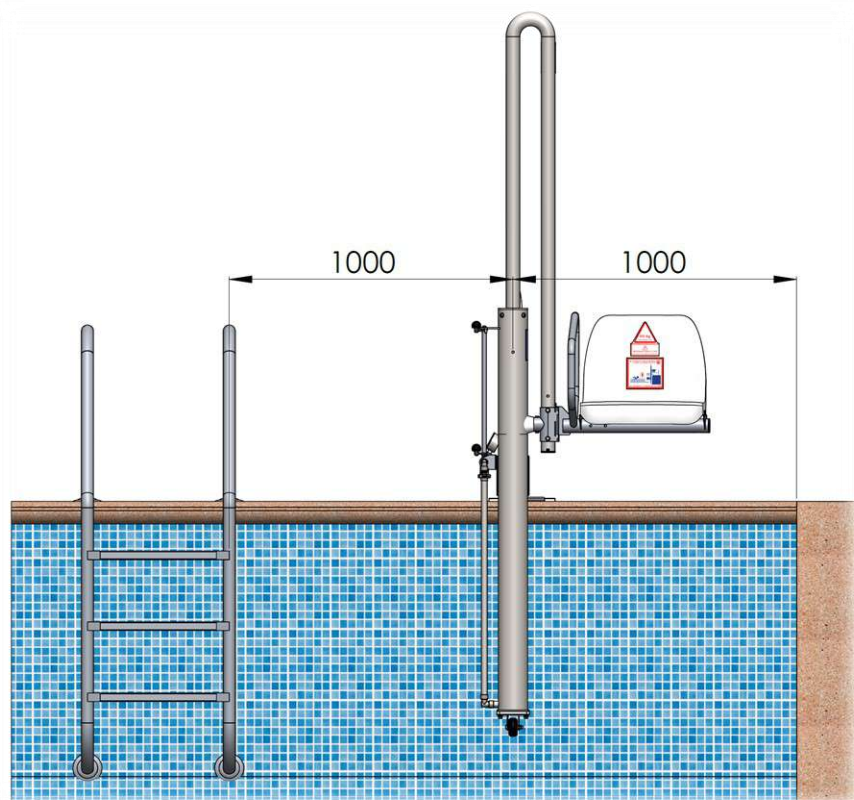
The METALU PK model comprises 1 cap with a cylindrical anchor. The dimensions in millimetres are shown in the following image:



2. Pre-installation.

Before installing the METALU PK lift, consider the following:

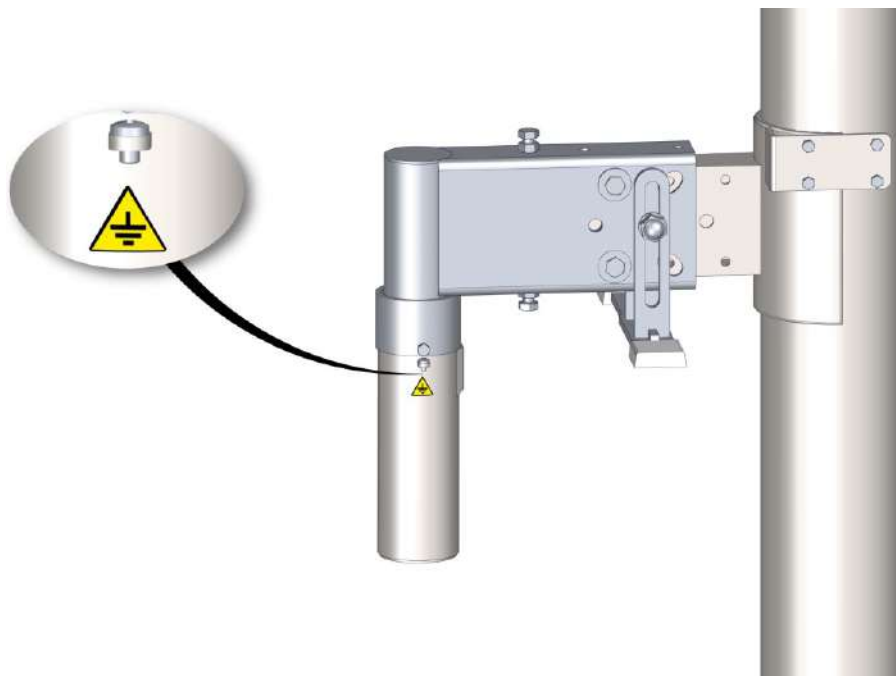
- The regulations of each autonomous community should be considered during installation.
- Choose the location of the lift carefully. We recommend installing the lift where the pool is **approximately 1.20 metres deep**, so that, if the user needs assistance from another person, they can do so while easily standing in the pool. The minimum depth required for the METALU PK model is 0.90 metres.
- The seat's radius of action should have at least one **1 metre of space on each side of the lift**.



At least 1 metre of obstacle-free space on each side of the lift.

- There should be a ½" water tap supplying **3.5 and 5.5 bar** of pressure where the lift is installed.
 - If the water supply cannot supply the minimum pressure, a pressure system or water pump will have to be installed. (See annex 1 of the "Tear-down and troubleshooting" document of the METALU PK model).
 - If there is an excess of pressure, install a pressure reducer.
- Check that the lift is not installed above the skimmer, pipes, impellers, or any other external component that could affect the normal operation of any element.

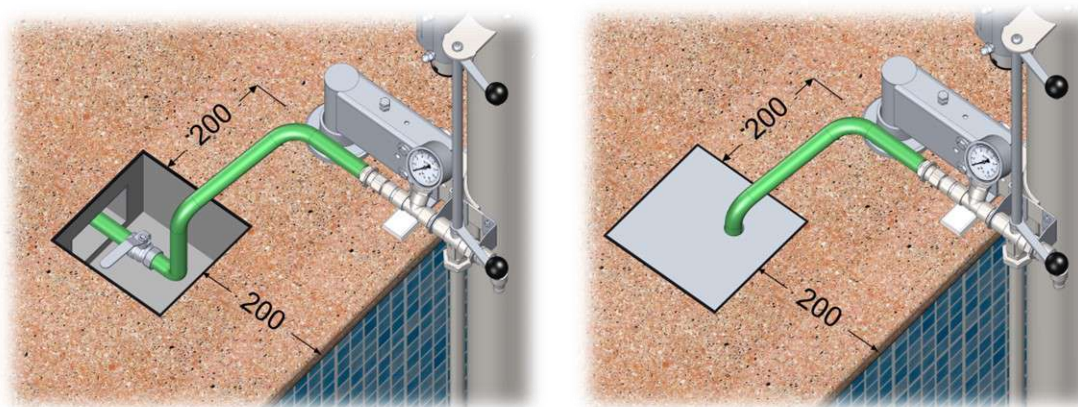
- For public or community pools, take into account the regulations of each autonomous community as it pertains to connecting to the supplementary **equipotential network** that the swimming pool will have according to the additional technical instructions of the low-voltage electrical-technical regulation ITC-BT-31.



Connection to the supplementary equipotential network.

2.1 Pre-installation in skimmer type pools.

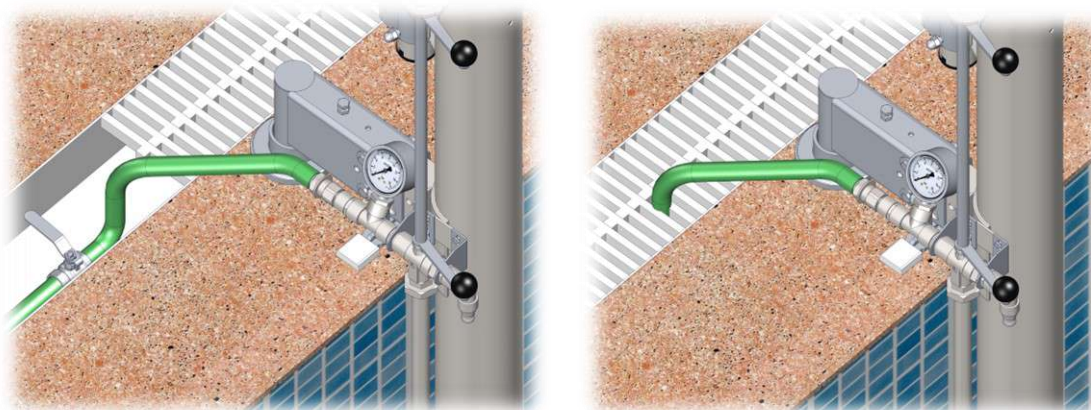
For improved aesthetics, maintenance, and safety, during **installation**, we recommend installing an **inspection box near the lift** (for the cut-off valve and water supply). As a guideline, depending on the pool, build the inspection box approximately 200 mm from the lift anchor point and the edge of the coping stone.



If you are unsure about the profile of the swimming pool, request the “*Dimensions form for pools with skimmer profiles.*” Once you complete this form, we will perform an analysis to determine whether the lift is compatible and advise on its suitability for the pool profile.

2.2 Pre-installation in pools with an overflow channel profile.

For pools with an overflow channel, we recommend using the pool’s **drainage gutter** to install a water outlet near the lift next to a shut-off valve for the lift’s hydraulic system.



Recommendation to use the drainage gutter during pre-installation.

Similarly, if you are unsure about the profile of the swimming pool, request the “*Dimensions form for pools with an overflow channel.*” Once you complete this form, we will perform an analysis to determine whether the lift is compatible and advise on its suitability for the pool profile.

3. Installation.

The following tools and materials are needed to install the METALU PK lift.

- 68 mm approximate size core bit.
- Drill.
- Pencil to mark drilling holes.
- Common tools:
 - 12-13 and 16-17 fixed flat wrench.
 - Set of hexagonal Allen keys.
 - Hammer and chisel.
- EPOXI chemical anchoring.
- EPOXI chemical anchoring application gun.
- Level.

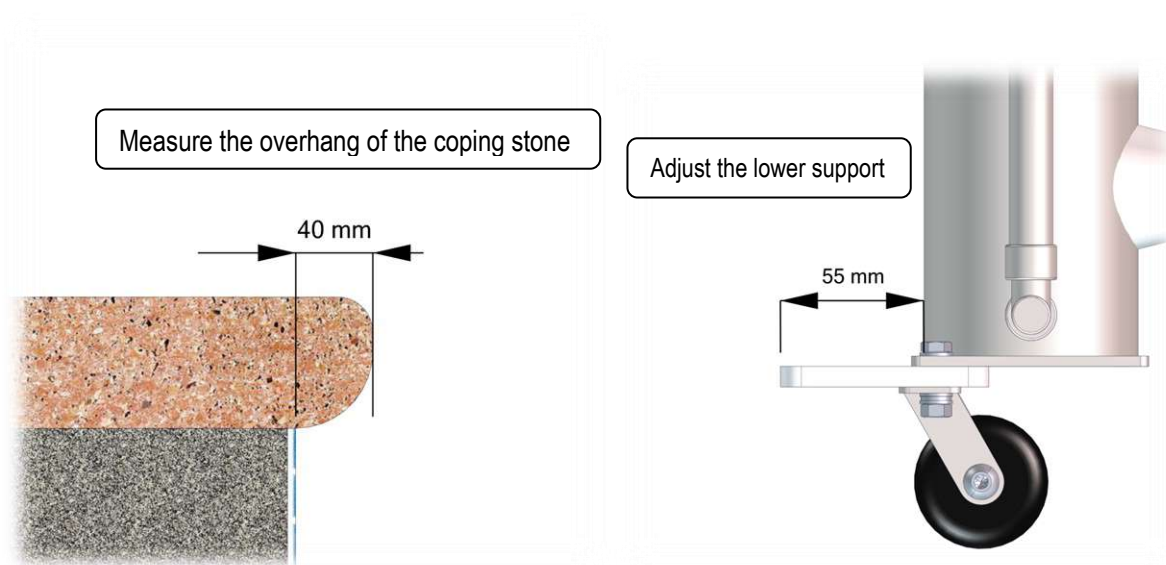
The cylinder set comes tuned from the factory and ready for installation. It should not be changed unless needed. In the exceptional case that it is necessary to swap the anchoring bolts, see Annex 1 of this document: "Install bolts according to the anchoring position"

The steps for installing the lift are listed below. Follow all the steps and operations with the lift empty (unloaded):

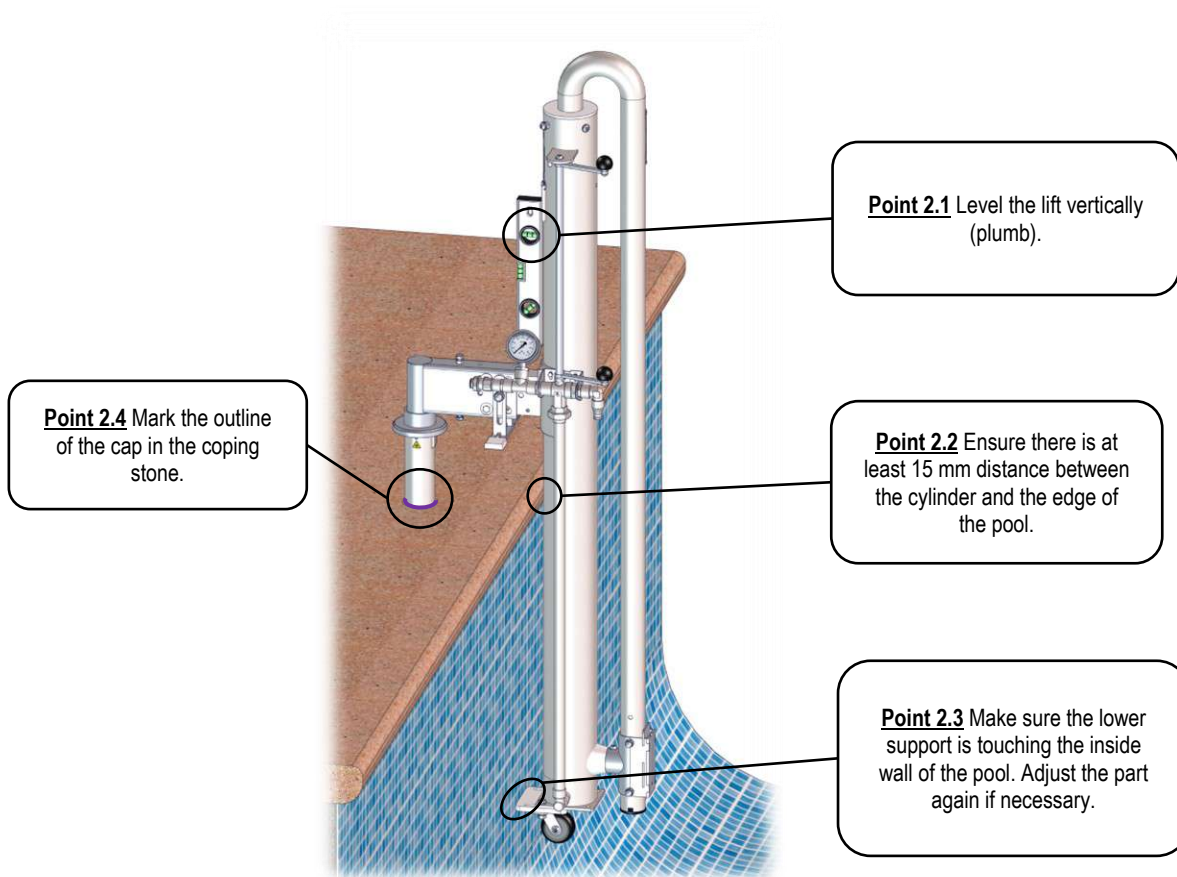
Step 1. Adjust the lower support, adding 15 mm beyond the overhang of coping stone.

If the coping stone has no overhang or if the overhang is 20 mm or less, the lower support does not need to be adjusted.

For example: If the coping stone overhangs by 40 mm, place the lower support at 55 mm.

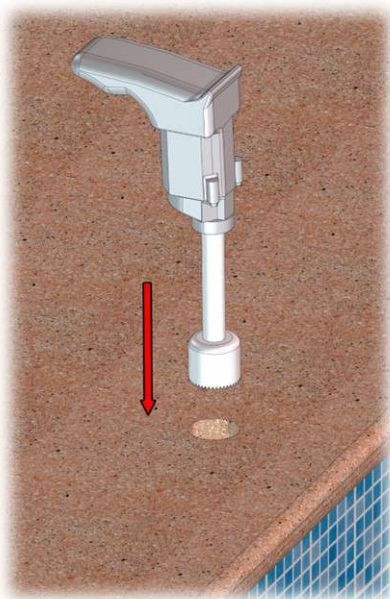


Step 2. Position the lift in the desired location following the steps below.



Verify the above step as many times as needed before continuing.

Step 3. Drill the coping stone where you made the mark. Use 68 mm core bit with the drill. For safety reasons, we recommend that there is no one in the pool while you work.



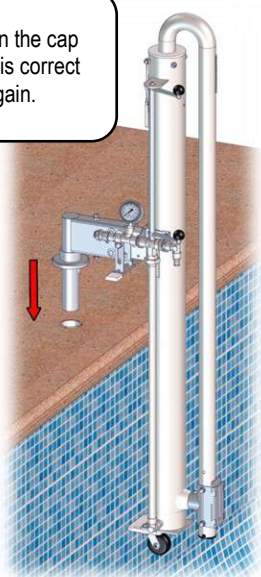
Step 4. Insert the cap. Make sure there are no obstacles in the hole and that it is level with the ground, neither protruding nor below the surface. Do not apply the chemical anchoring yet.



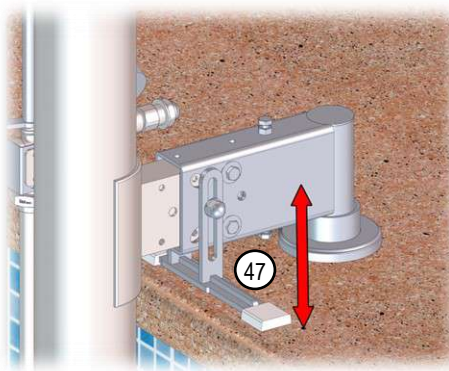
Deeply clean the dust from drill with air or water.

Step 5. Place the lift on the cap. Do not apply the chemical anchoring yet.

Point 5.1 Place the lift on the cap to make sure everything is correct and check step 2 again.

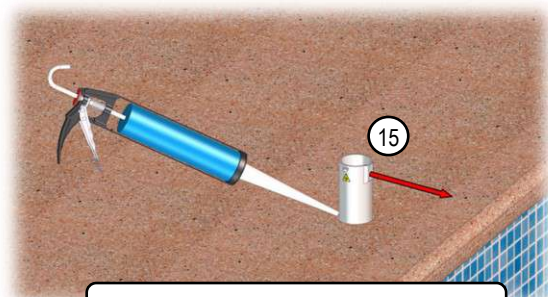


Point 5.2 Adjust the stabilising part (no. 47) if necessary.



Step 6. Apply the EPOXI chemical anchoring following the steps below.

Point 6.1 Fill in half the hole with the EPOXI chemical anchoring.

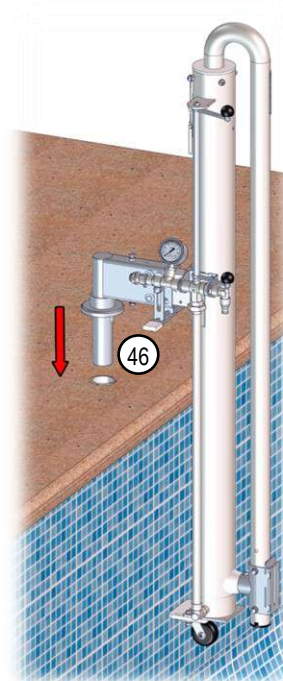


Key in direction of the pool.

Point 6.2 Fully introduce the cap (no. 15) filling in the chemical anchoring as necessary to leave no air gaps. Remove any excess.

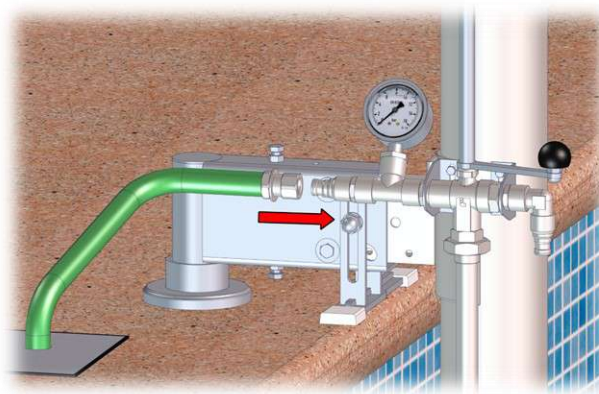
Point 6.3 Immediately before the chemical anchor dries, insert the lift anchor (no. 46) in the cap (no. 15).

Point 6.4 Level the lift vertically (plumb) and wait for the chemical anchoring to dry according to the manufacturer information. Connect to the equipotential network.

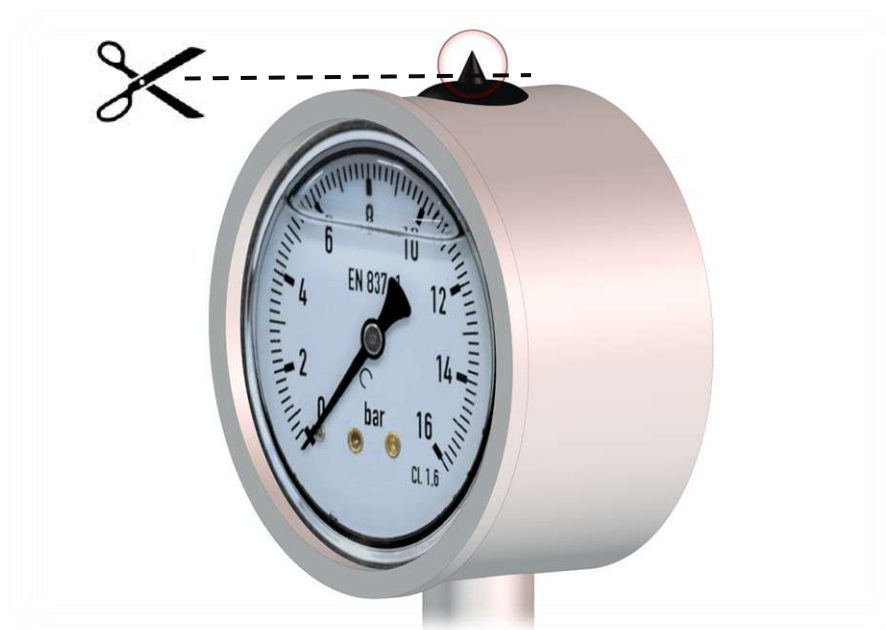


Step 7. Purge the water outlet before making the hydraulic connection.

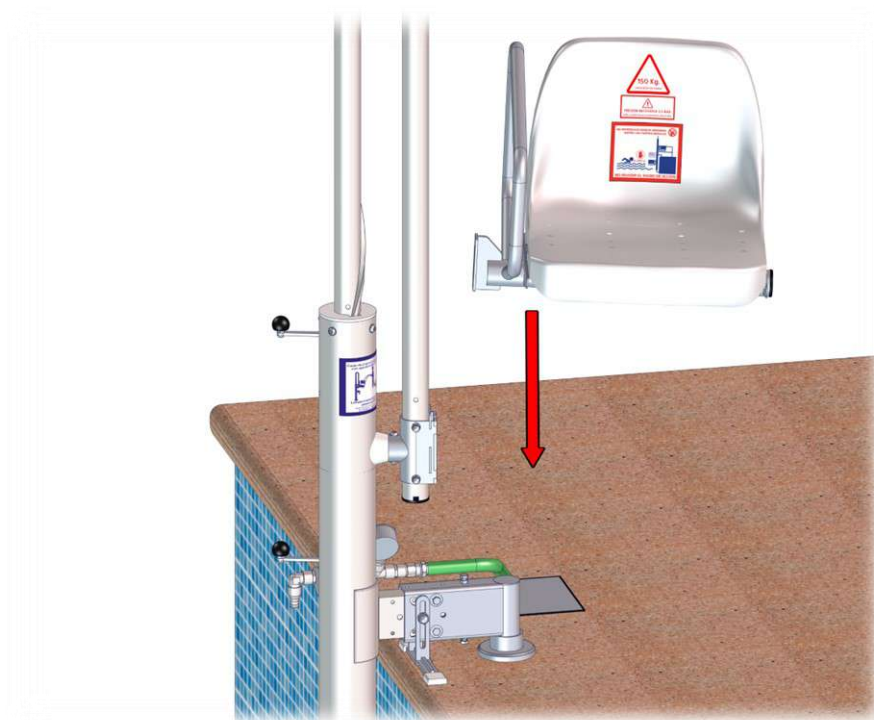
Step 8. Make the hydraulic connection. Connect the water outlet to the only input of the hydraulic system.



Step 9. Cut the tip off the top of the manometer. This is needed for it to work correctly.



Step 10. Raise the lift and install the seat support and seat holder.

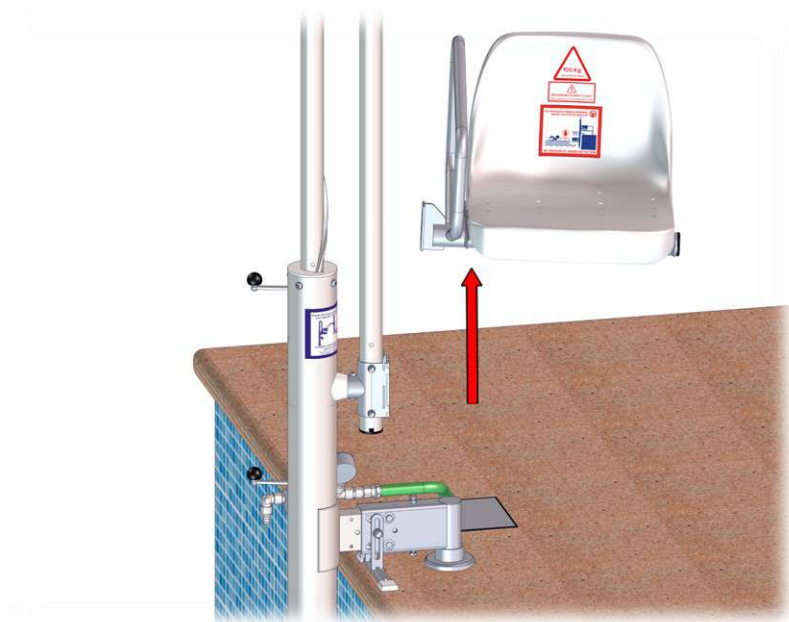


Step 11. Raise and lower the lift without load several times. Repeat with a load.

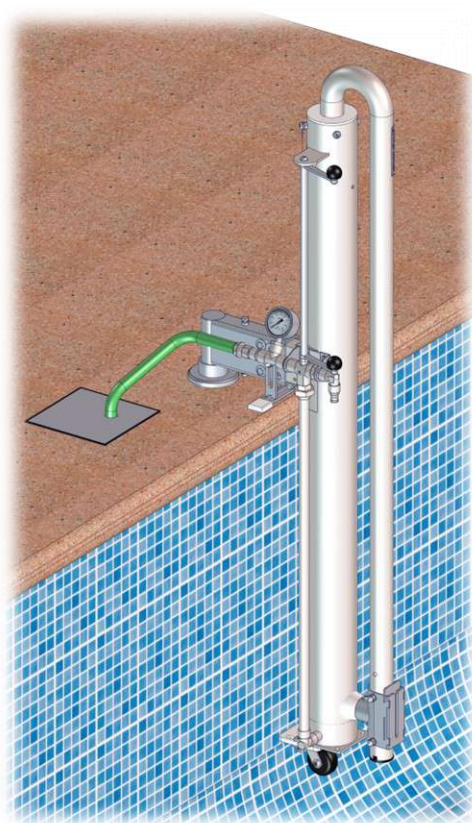
4. Disassembling and storing the product.

To disassemble the METALU PK lift, follow these steps:

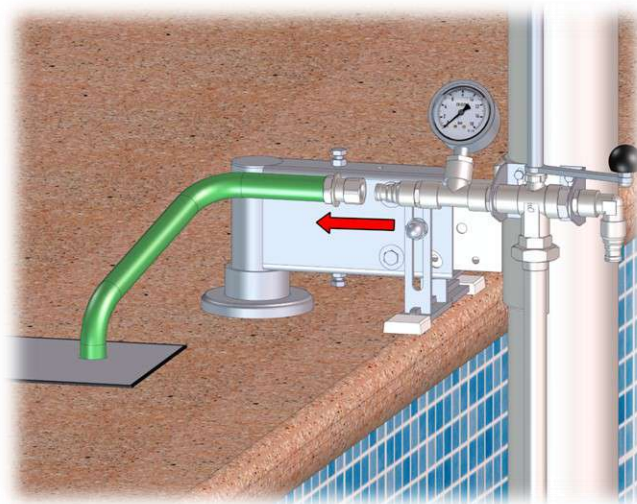
1. Raise the lift and remove the seat support and seat holder.



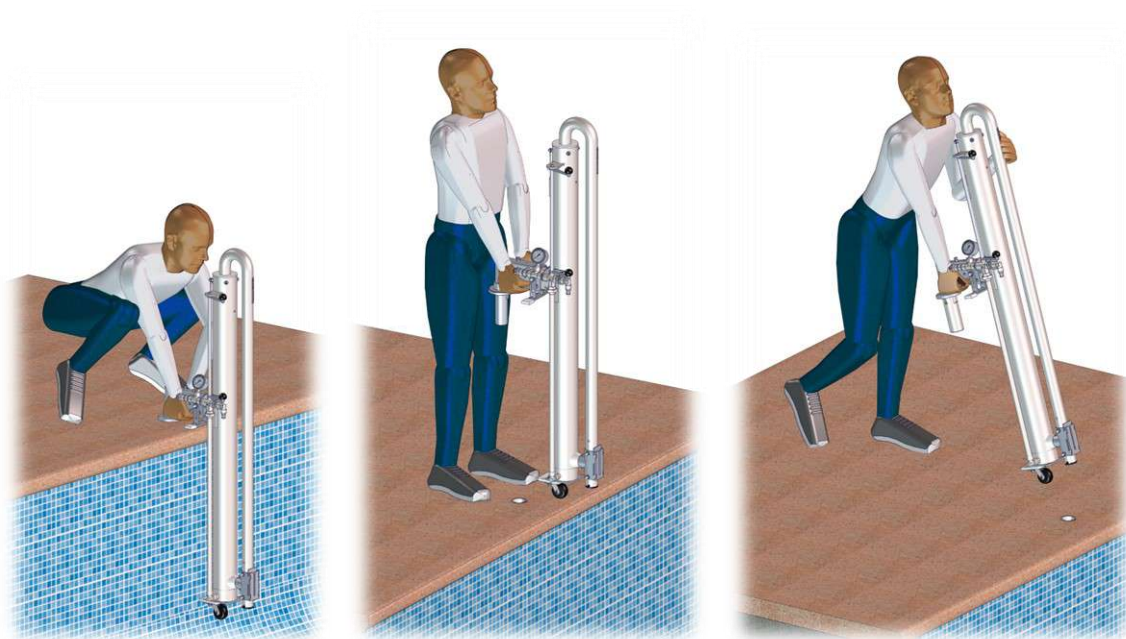
2. Fully lower the lift.



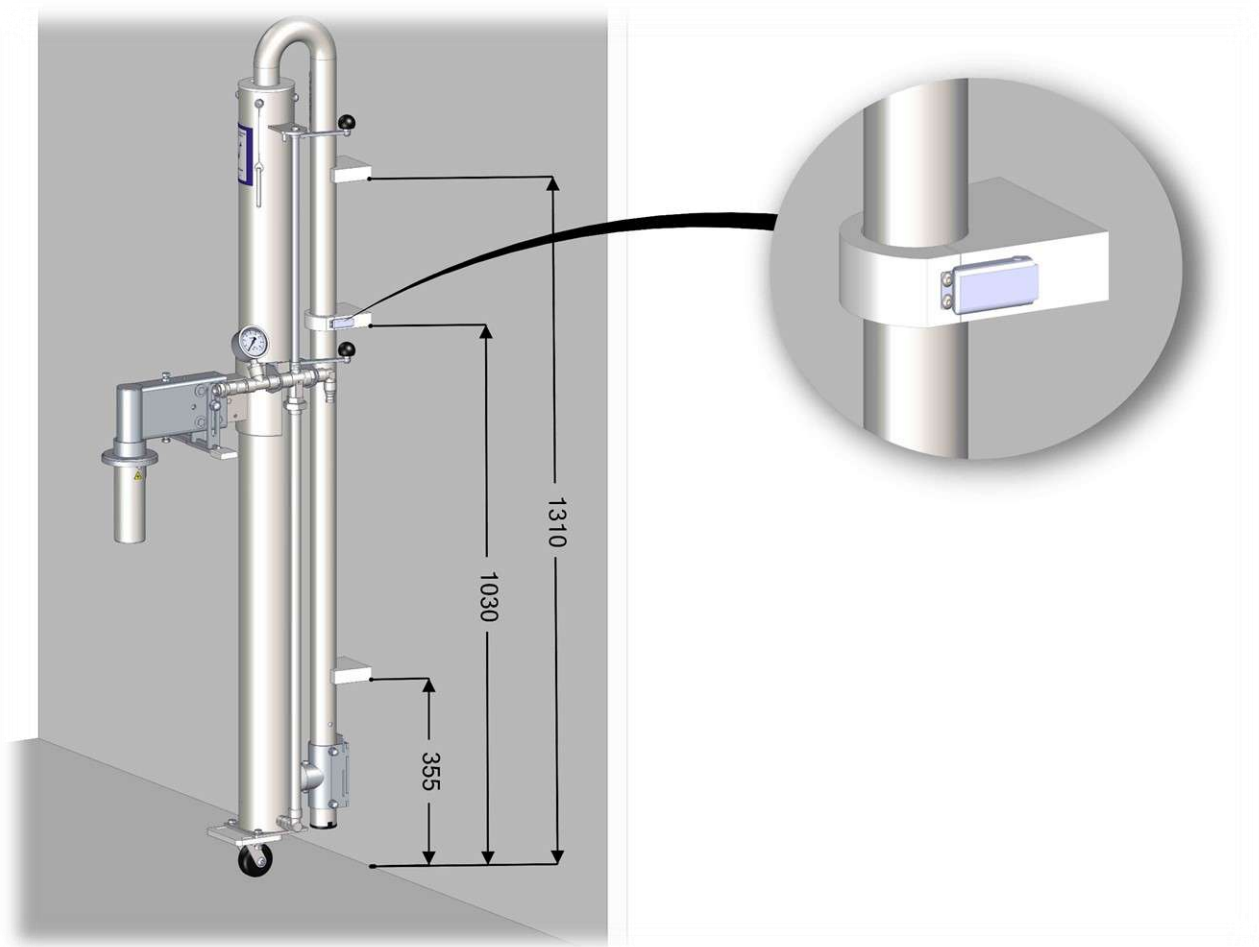
3. Disconnect the hydraulic system.



4. Disconnect the anchors and transport to storage.

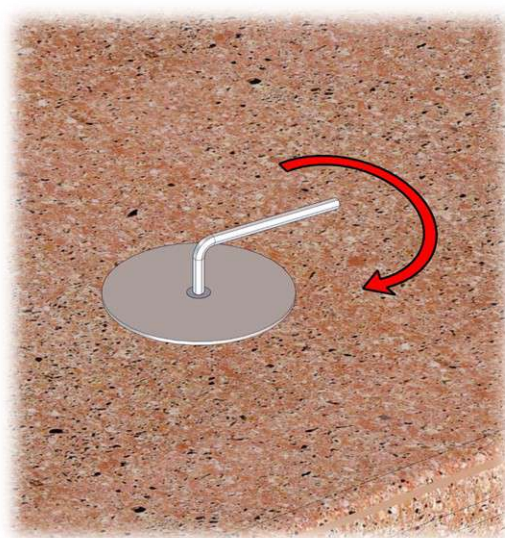


5. Place the lift on the fixed supports in the place it is stored.



6. Place the cover on the lift and tighten the middle screw.

No se pudo mostrar la imagen vinculada. Puede que se haya borrado, cambiado de nombre o eliminado el archivo. Compruebe que el vínculo señala al archivo y ubicaciones correctos.

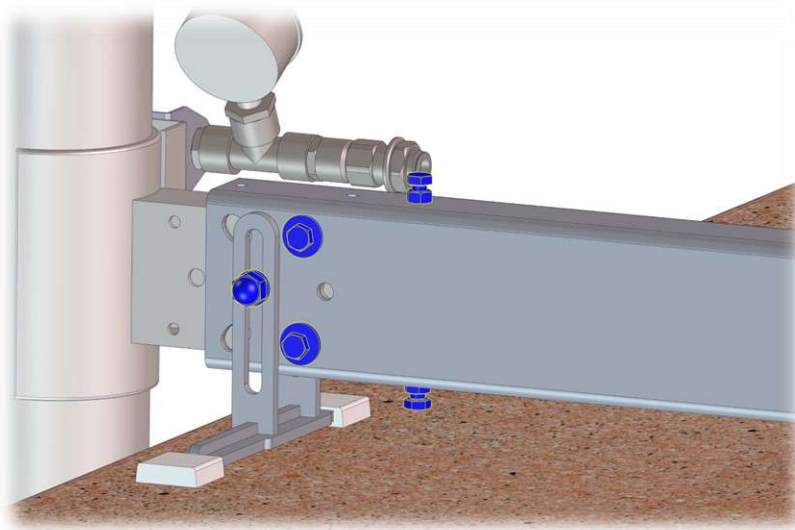


Annex 1: Install bolts according to the anchoring position.

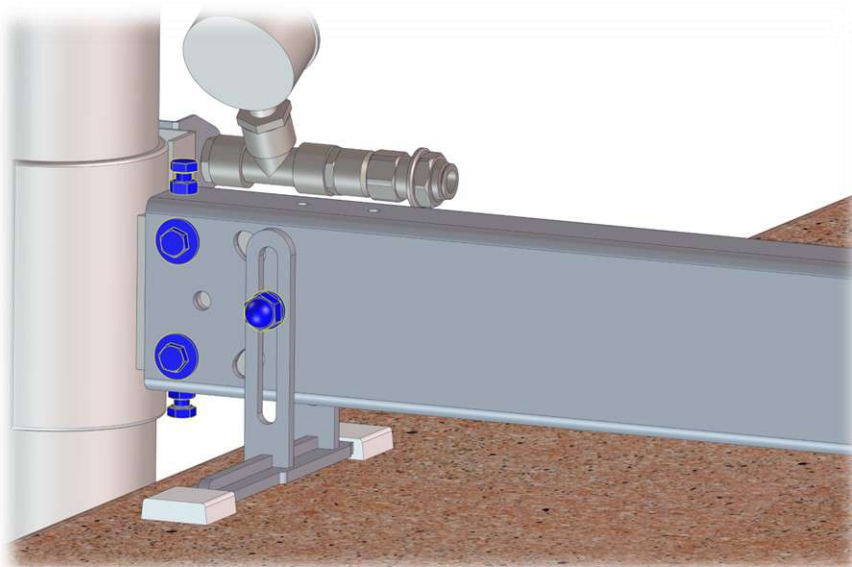
This document explains how to assemble the **standard or special anchoring** according to the different options. These special anchors are delivered disassembled for logistical reasons. To assemble the lift correctly, two things must be considered:

- A. Position of the anchor:** It is important to consider the position of the anchoring hardware during installation. Strictly respect the position of all the hardware as shown in the following images (parts in blue):

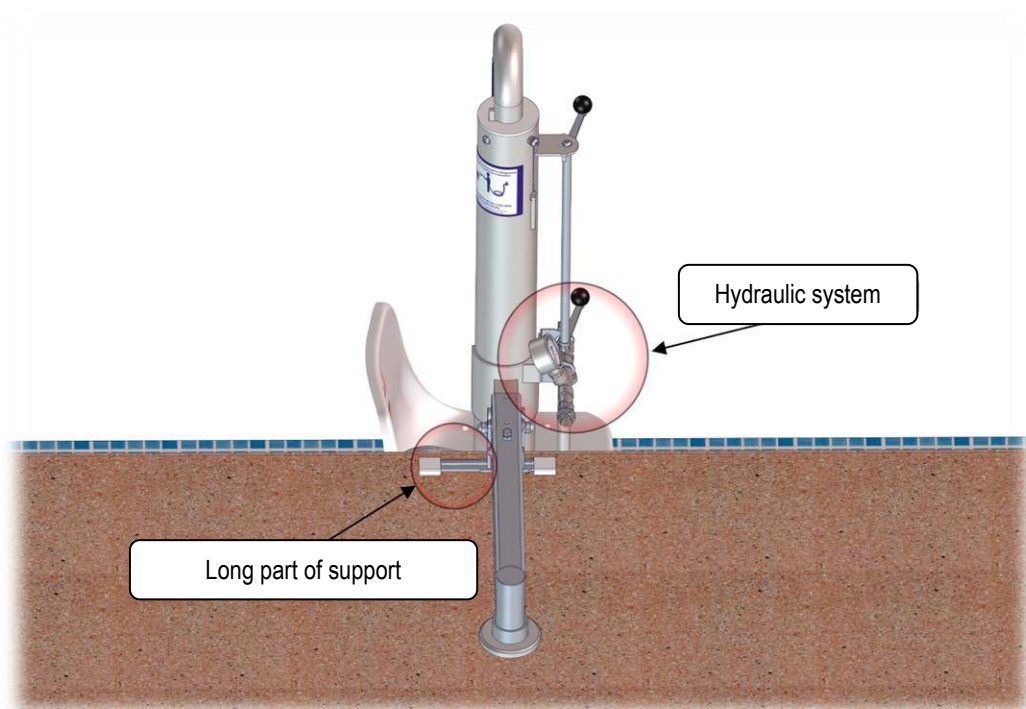
A.1 - Position 1 of the special anchor.



A.2 - Position 2 of the special anchor.



- B. Position of the support:** The only detail to consider during the installation is the direction of the long part of the support. It must be on the opposite side to the hydraulic system.



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Hydraulic Pool lift model METALU PK

Pre-installation and installation

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