



# KINGFISHER POOL HOIST



## **Independence and access to the water! Compact and adaptable.**

The Kingfisher Pool Hoist, designed and manufactured in Australia by Para Mobility, will allow access to a pool where traditional methods are not able to be used. Designed in close consultation with Occupational Therapists and other industry professionals, the Kingfisher Pool Hoist is a simple and safe operation that is both comfortable and dignified. The Kingfisher is ideal for home pools, retirement villages and hotels etc. It is user-operated and secured to the pool deck easily. A trolley is also available which allows it to be easily moved between locations and/or storage. Manufactured to Australian Standard — AS3581.

The Kingfisher Pool Hoist has a Safe Working Load (SWL) of 150kg, rechargeable Linak 24v battery, floating hand control, load bearing lift-up arm rests for ease of transfer, removable and adjustable foot rest, flip up seat for storage, wheel away transport trolley option for storage, lap belt for safety, left or right side mounting, extra heavy duty Linak Actuator with emergency lifting.



## KINGFISHER POOL HOIST **PRODUCT SNAPSHOT**

### SPECIFICATIONS

- **Lifting Capacity:** SWL 150kg
- **Weight of Hoist:** 48kg (without the battery)
- **Max—Deck to water level:** Up to 250mm
- **Max—Set Back:** 250mm without leg rest  
350mm with leg rest
- **Stow away size:** H 1230 x W 550 x D 400
- **Seat size:** 400mm x 400mm
- **Back rest size:** 400mm 300mm
- **Foot rest size:** 300mm x 150mm (can be modified)
- **Powder coated:** White

### STANDARD INCLUSIONS

- Lift up arm rests
- 24v Battery
- Battery charger
- Battery cover
- Hand control
- Seat belt
- All weather cover
- Mounting kit

### OPTIONAL ACCESSORIES

- Foot rest
- Chest strap
- Transport trolley

### MATERIALS

- **Base Plate:** 316g Stainless Steel
- **Lifting Frame:** 316g & 304g Stainless Steel
- **Actuator:** Linak
- **Battery:** Linak
- **Control Box:** Linak
- **Floating Hand Control:** Linak
- **Seat:** High Density Polyethylene
- **Seat Belt:** Interwoven nylon/polyester
- **Foot rest:** High Density Polyethylene
- **Hand Control:** Floating – Linak



View in action:

[www.paramobility.com.au/mobility-products/outdoor-products/kingfisher-poolspa-hoist](http://www.paramobility.com.au/mobility-products/outdoor-products/kingfisher-poolspa-hoist)

  
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*Making everyday living easier since 1983*

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### **CONCRETE PAD REQUIREMENT**

**IMPORTANT:** To safely install the Kingfisher Pool Hoist you will need a solid concrete pad to anchor it to.

### **CONCRETE PAD INSTALLATION**

We recommend that approximately 1/3 of cubic metres of concrete is used when pouring your pad. This can be made up as a logical size, for example: 1000 x 1000 x 300 or 650 x 650 x 650. The ideal location is placed up against the pool edge.

### **ANCHORING YOUR UNIT TO THE CONCRETE PAD**

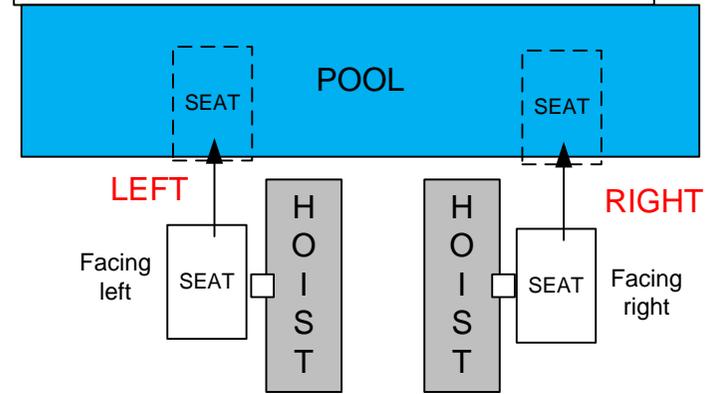
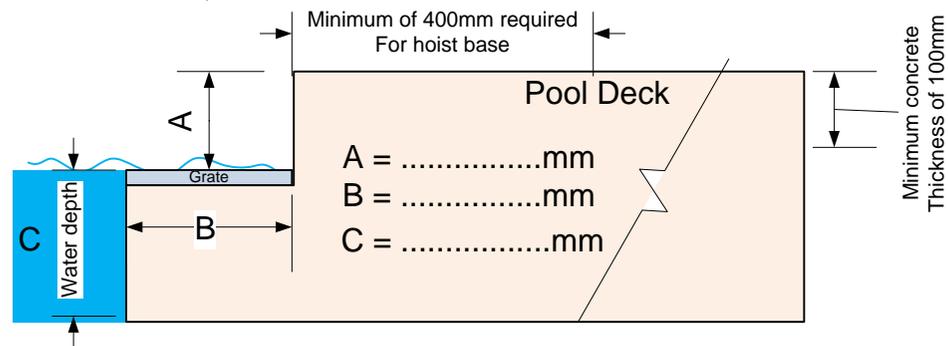
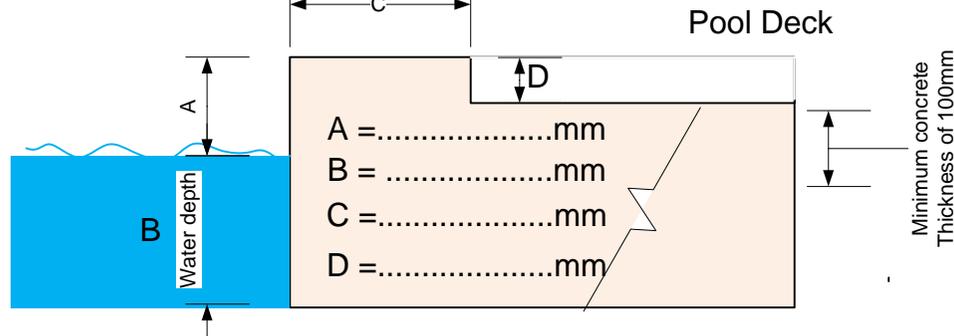
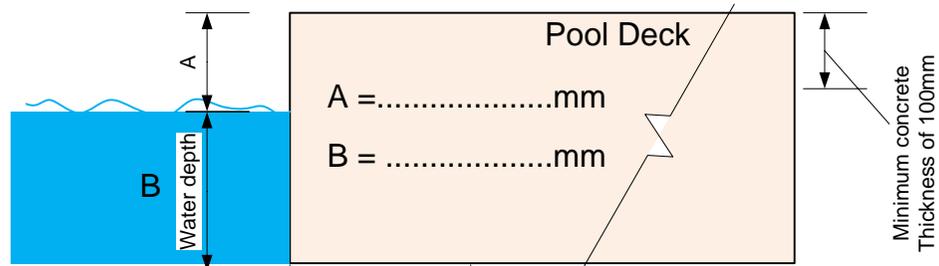
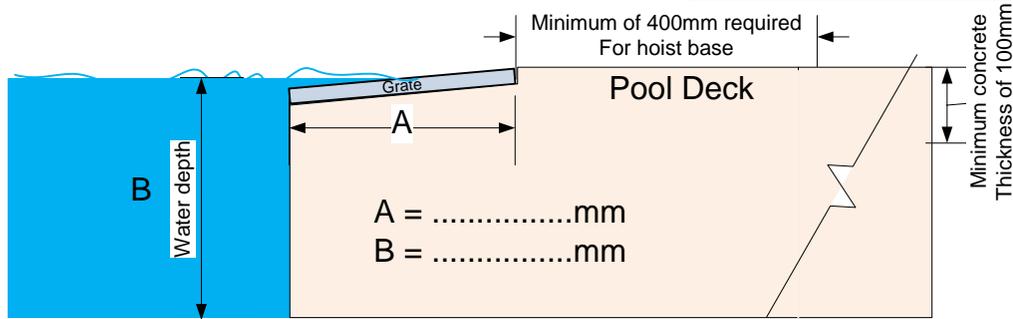
We provide 100mm anchors as standard which have the receiver for the eye bolts. This will secure the 450mm Kingfisher Pool Hoist base.

It's highly recommended to use a minimum of 20MPa concrete strength.

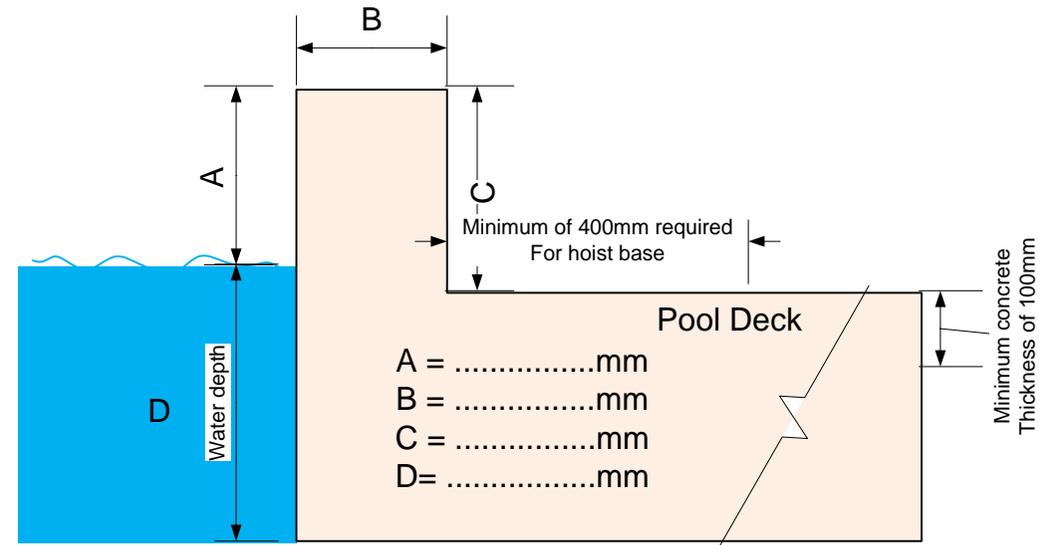
1. Choose the pool/deck detail that is similar to your pool and measure where applicable.

2. DO YOU HAVE THE MINIMUM CONCRETE WIDTH AND THICKNESS TO MOUNT THE HOIST ON POOL DECK  
 YES..... or NO.....

3. Please nominate left or right hand seat.



As viewed from above



Customer name.....

Pool name.....

Contact name.....Ph.....

## User Instructions – Kingfisher Pool Hoist

- Install the Battery – N.B Battery should always be removed and re-placed into the charger after use. Do not remove the hand control from the lifter as this will disrupt the control box mechanisms.
- Ensure the Emergency STOP button is in the out position. If this is pushed in the hoist will not operate. Twist to release.

### Installation at Pool Deck

- Wheel the unit to the pool deck and place the base plate over the anchor points. Ensure the wheels of the hoist are placed facing away from the pool.
- Insert the Eye Bolts into the holes and hand tighten only.

### Use of the Lifter

- Always test the lifter by pressing up and down on the hand control before commencing a lift.
- Check safe working load (SWL) of lifter before attempting a lift and make sure the weight of person being lifted complies.
- Test the hand control buttons and monitor the movement of the hoist prior to use to ensure everything is working properly
- The arms of the hoist are weight bearing so the client can transfer easily.
- If you obtained a footrest, lift the seat and remove the wing nut from tubing. Place the footrest into the tubing and hand tighten the wing nut prior to use.

### Removing the Hoist

- Wash the Kingfisher with clean water (not chlorinated) prior to packing away.
- Remove the battery and place it on charge.
- Bring the lifting arm up to a vertical position and fold up the seat and arms.
- Remove the eye bolts from the base plate and place them in the travel holes on the trolley.
- Put cover on hoist.
- Stand behind the hoist and lean back onto the trolley. Secure the Velcro belt on the trolley before moving.

### Battery Care

- After use, the battery should be placed in the charger to ensure it is fully charged when required. Battery cover should remain on the battery housing to avoid damage and corrosion.

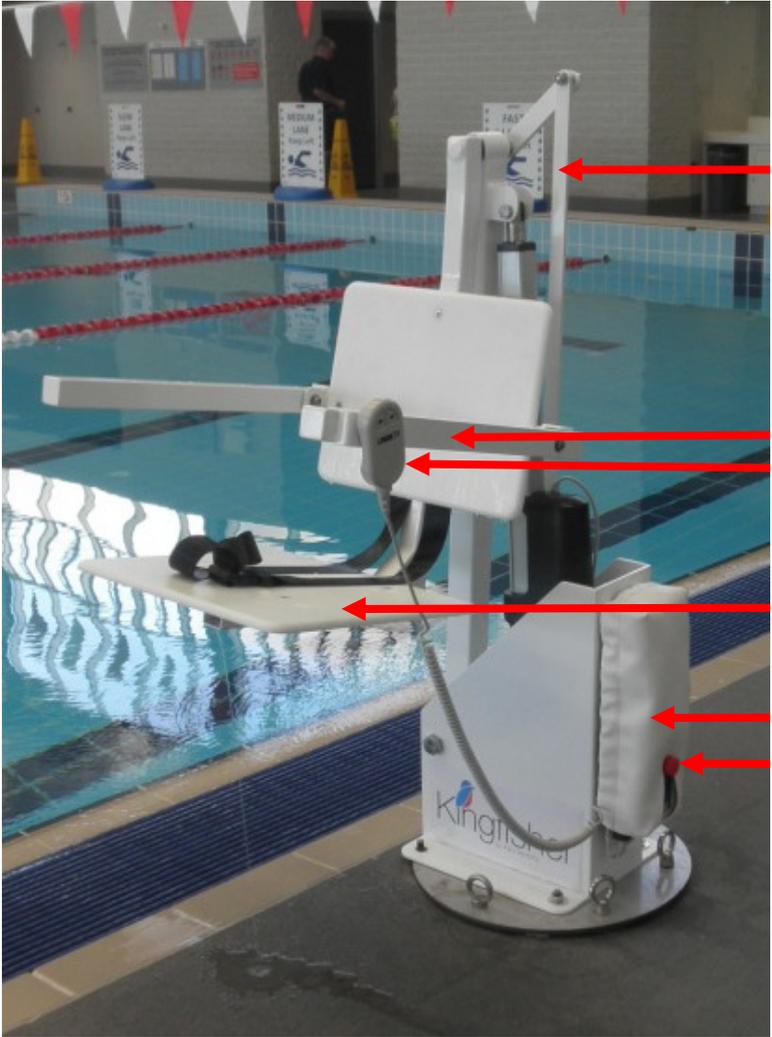
### Emergency Lowering or Lifting – (Hand control override)

- If hand control is damaged – using a pen tip (or similar), push in the holes as indicated on the control box as shown. Refer to the Battery Care information page.

### Additional Emergency MANUAL Lowering

- In the case of emergency and above doesn't work, use the manual lowering as shown over the page, following the arrows on the actuator.





Lifting Arm

Floating Hand Control and holder  
Weight bearing, fold up armrests

Fold up seat and footrest holder

Battery

Emergency stop button

## Installation Instructions – Kingfisher Pool Hoist

**Tools required:** Hammer Drill, 16mm masonry bit, Hole Cleaning Pump, Hole Cleaning Brush, Cartridge gun for adhesive, Adhesive (included).

**Earthing:** As per AS3000 of the wiring rules standards, “In certain circumstances” it may be necessary to have all conductive metal objects equally potentially bonded (earthed), this includes Pool Hoists. It is advised to seek the opinion of a qualified electrician.

1. **IMPORTANT:** Place hoist in position, the deck should be level, if not, the hoist will need packing underneath the base plate, it also may need longer bolts; contact Para Mobility. Distance from the location point should ideally be 100mm to either 250mm (without leg rest) and 350mm (with leg rest from the edge of pool to edge of the base plate. Check for obstructions when arm of hoist is rotated. Use the hoist base as a template.

**NB:** Anchors must be set into the concrete NOT into the tile bed or pavers. If there are pavers surrounding the pool a concrete pad must be laid – contact Para Mobility for instructions.

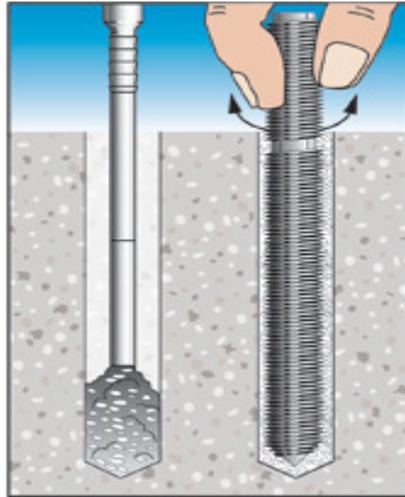
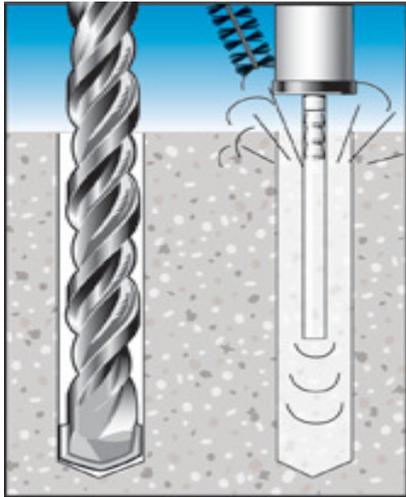
2. Drill 16mm diameter hole to a minimum of 50mm into concrete substrate (i.e. 50mm **below** any tile bed).
3. Remove dust and debris by brushing and blowing 3 times each (If hole is wet or flooded, remove water with wet/dry vacuum). It is very important that the holes are **dry and clean** before applying the adhesive.
4. **Prepare all holes and socket studs** before continuing onto next step.
5. Screw mixing nozzle onto adhesive cartridge (supplied) and dispense 2-3 trigger pulls of adhesive to waste until colour is grey with no streaks.
6. Insert tip of nozzle to bottom of hole and dispense adhesive until hole is about 2/3 full.
7. Insert threaded stud socket, **with M12 threaded socket on top**, with a rotating motion to release trapped air. Finish the top of the M12 threaded socket flush with finished floor, making sure that there is **no adhesive in the threaded socket**.
8. **Wait until adhesive has fully cured before loading.**
9. Clean with acetone.



**Drill hole**

**Brush and blow**

**Inject adhesive and insert stud**



**NB.** Tiles can be core drilled (16mm) for a cleaner / neater finish.



## Kingfisher Pool Hoist Maintenance Schedule and Service Guidelines

The Kingfisher Pool Hoist has been manufactured in Australia and built to Australian Standards. It is important to regularly check over your pool hoist and associated products from Para Mobility on a regular basis.

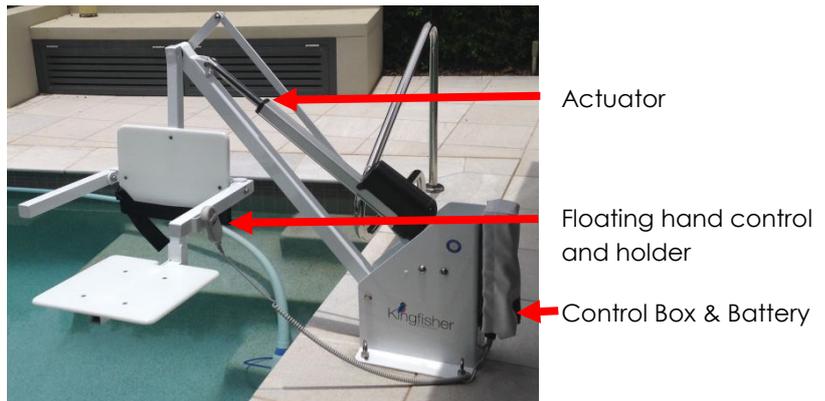
The Kingfisher Pool Hoist is manufactured from stainless steel. Stainless steel is a corrosion resistant alloy; however, it may display rusting characteristics under certain conditions such as in plant rooms or if the hoist is used in an indoor environment.

Following are some guidelines to assist you in developing a maintenance schedule for your hoist.

- Routinely wipe down all surfaces of the hoist, using un-chlorinated water. This will minimise the potential build-up of corrosion or rust like symptoms (*otherwise known as Tea Staining*).
- In the event the equipment displays stubborn stains or heavy deposit build up, specialised cleaning materials are needed to remove foreign substances to restore the original finish.
- Always use the supplied cover when not in use.

### Hand Control

The Hand control is a floating hand control. **Never** take the hand control out of the control box at the bottom of the hoist unless instructed by Para Mobility or your distributor. Check the hand control by regularly pressing the button in the up and down motion and before a lift to ensure it is working correctly. Dropping the hand control on the ground, could damage the internal workings, please take care at all times.



### Battery and Control Box

Pool environments can be harsh, and your battery and control box needs to be protected from the elements and chlorine products. Ensure the cover remains on the control box and battery unless changing the battery. Check that the battery and control box terminals have a small dab of light grease to ensure contact is being made. A regular check of these terminals is important to ensure every lift is successful. If any corrosion builds up on the terminals a light rub with a stainless steel pad will remove it easily.

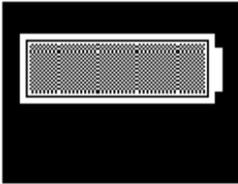
### Actuator

The actuator lifts the main arm of the hoist. The hoist must never be rotated by pushing on the actuator, this will damage the lifting mechanisms. Check to ensure it remains plugged into the bottom of the control box. It must never be removed from the control box unless instructed by Para Mobility or your distributor. When storing you pool hoist, **DO NOT** store it in a plant room where the hoist is exposed to harsh chemicals, these chemicals could damage some of the inner working of the hoist. The arm of the hoist must be kept down when not in use to minimise chemical build up on the actuator.

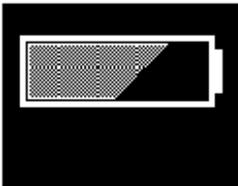
### Safe Working Load sticker

This sticker must remain on the hoist at all times. This is the weight the hoist has been tested to lift. If this needs replacing contact Para Mobility or your distributor.

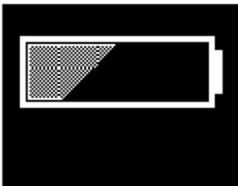
## Battery Care



The battery is ok, no need for charging.



Battery needs charging.

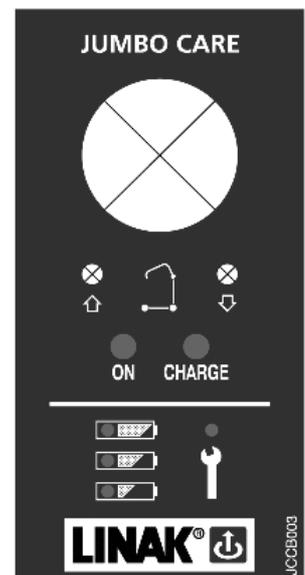


Battery needs charging. Buzzer sound is provided when a button is pressed at this battery stage.

## How to use the lowering/lifting function on the control box

### (Emergency USE)

- On the control box there are either buttons or holes.
- The lifting arm can be lowered or lifted via pressing a pen (or similar) in the hole.
- This is a permitted method of lowering/ lifting.
- The lowering/lifting “buttons” works as normal hand control buttons (you do not get extended functionality by using these when the battery is low).



## Kingfisher Pool Hoist Trolley and Cover

Fold up the Kingfisher Pool Hoist and put on the cover if needed.



Place the Kingfisher Pool Hoist on the trolley with the seat facing outwards.



Place the straps around the hoist to secure it in place and move as required.