



2025 INSTALLATION MANUAL

FROM THE WORLD'S
LEADING FLOATING
WATER PARK BRAND



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CHAPTER 1

General Info

01

Overview Equipment

The following list shows the equipment that could be required to set up and install the inflatable Wibit products.



Cutter knife
to open the Wibit Boxes.



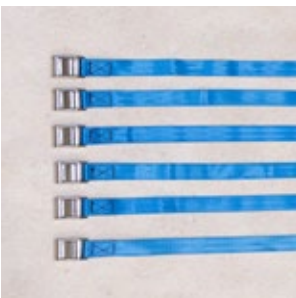
Muliti tool



Manometer
for checking the air pressure.



Valve
The valves are usually located on the sides of the product.



Connector Straps
for connecting products.



Air pressure relief valve
Some products have a pressure relief valve to avoid over inflation in case of drastic changes in air temperature.



Protective Tarp
to prevent products from being damaged during set up.



Anchor plate



Bungee and shackle



Emergency anchor plates installed for the unlikely case of the original anchor plate being damaged during a storm. These can be used to anchor the SportsPark temporarily until the original anchor plates are repaired.



Safety Flap



Velcro strap



Cover lip
A fixed component of some products is the cover lip, which prevents the safety flap from coming off. So the coverlip is placed over the safty flap.



D-Ring



Double bucket strap



Air filter for electric pump
To prevent sand from getting into the product, an air filter is recommended.



Electric pump
used to initially inflate the product. Electricity is needed. Ensure the pump ist standing on a clean floor (e. g. no water closeby).

The electric pump has overheat protection. If it turns off (after approximately 15-20 minutes), please wait 20-30 minutes to let it cool off.



High pressure hand pump
The integrated manometer allows you to check if the required air pressure is reached. No electricity is needed.



There are two pump settings:

High Pressure and High Volume



Info Multi Tool

The Wibit Multi-Tool is multifunctional and can be used for every valve.



Valve cap driver

- Wibit valve caps can be opened and closed using the flat end of the Mult Tool. This tapered end fits into the slot in the cap and can even be used to open worn out caps.



Valve opener

- The specially designed valve opener has a funnel-formed opening which helps the tool find its own way onto the head of the valve. A simple press-and-twist action opens or closes the valve.

Info Bungee and Shackle



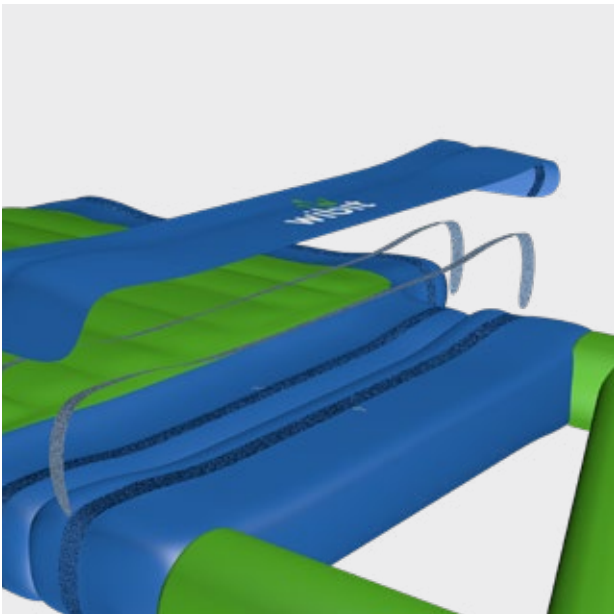
Do not open the knots of a bungee as it is not possible to tie them together again!



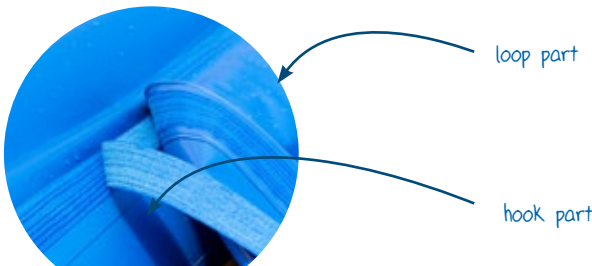
Information Velcro System



The Wibit velcro system has been designed to ensure a long life span of the product connections.



- Velcro (hook) is firmly glued onto the product.
- Velcro adapter connects vecro hook and safety flap.
- The transition between the modules must be covered with the safety flap, which has velcro fasteners on the underside to keep it secure.



- These three velcro pieces not only hold the safety flap firmly in position but also allow for easy replacement if the velcro wears out. The velcro adapter can simply be removed and replaced with a new one.



CHAPTER 2

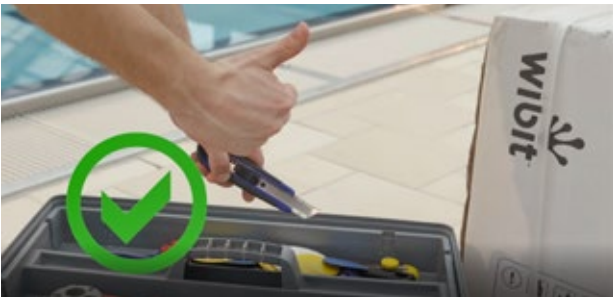
Set Up – Step by Step

02

Unpacking Products



- Start setting up the products at the waters edge.



- Use a short blade to open the boxes. This will avoid damaging the products.



- First, cut along the side flaps. Ensure the lid of the box is lifted enough so the blade does not hit the product while opening the middle part.



- Close off the area to prevent guests from entering the area while set-up. It is recommendable to use a tarp to avoid damage to the product.
- Unfold the products.

Product Inflation



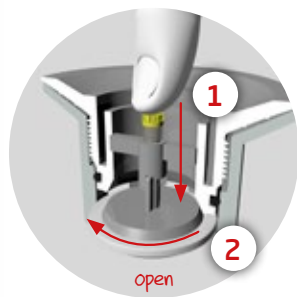
Click here to see video:
Product inflation



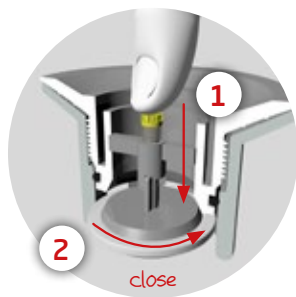
- Open all valves.



- It is important that all valves are opened before inflating the products to avoid damage!
- The required working pressure for each air chamber can always be found right next to the valve.



To open the valves, remove the valve cap, press down the valve spring (yellow cap) and turn it clockwise.



To close the valve, remove the valve cap, press down the valve spring (yellow cap) and turn it counter clockwise.



- Connect the electric pump to a power source and start the inflation. When the pump noise changes (becomes louder and higher-pitched), remove the hose. Close the valve immediately after removing the hose from the electric pump.

The electric pump has overheat protection. If it turns off (after approximately 15-20 minutes), please wait 20-30 minutes to let it cool off.

Product Connection



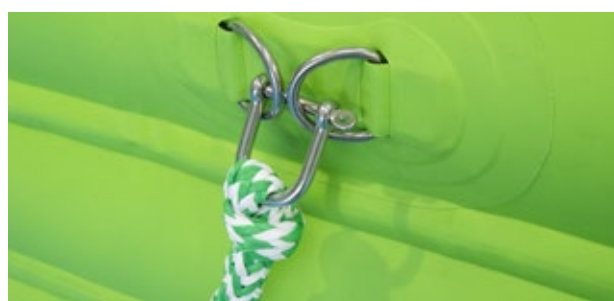
Click here to see video:
Product connection



- If the air pressure has not yet been reached, use the hand pump to ensure the recommended air pressure.
- With the hand pump you are able to inflate, without open the valve again.



- Check the working pressure with a manometer.

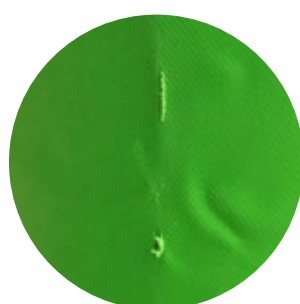


- The bungees are preattached on the products that are to be provided with an anchor (according to the anchor plan).
- Ensure that the bungees are pre-attached before carrying into the water!
- Remove bungees from all products that are not anchored.



- Carry products to the water.
- Use more than one person to avoid damage to the product!

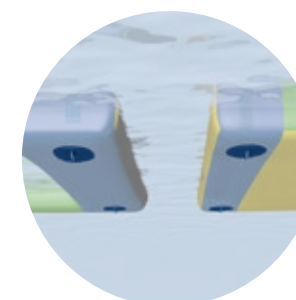
Do not drag the products on the ground!



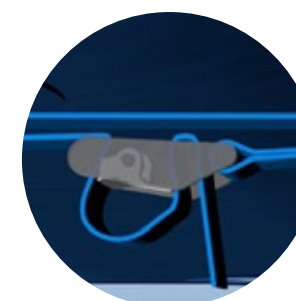
Dragging the products on the ground may cause severe defects!



- There are D-rings on each product. These are used to connect the products using the connector straps.



- Pass a connector strap through one D-Ring of each product you want to connect, close it and pull it tight.



- After the products are connected to each other, cover the gap with the safety flap.



When placing the safety flap, line up the arrows on the blue section of the product with the arrows on the safety flap.

Safety Flap Enhanced



- Starting point: blue sections are linked using the connector strap.
- Insert the buoyant foam body completely in the designated pocket.



- Place safety flap enhanced on blue sections and secure it with the velcro fastening.



- If closed, unfasten the connector strap on the side where the stormline is located. Pull the free end of the strap through the loop of the stormline. Pass the connector strap through the D-ring on the blue section and fasten it again.



Regular safety flap



Safety flap enhanced



CHAPTER 3

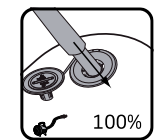
Set Up Exceptions - Step by Step

03

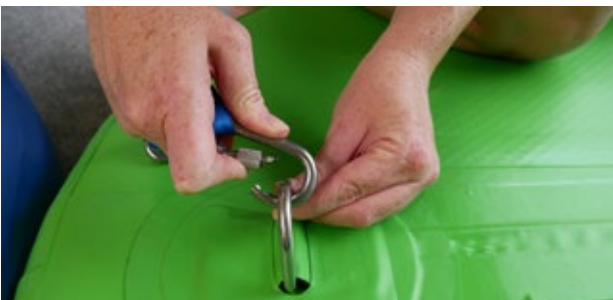
WiggleBridge - Set Up Instructions



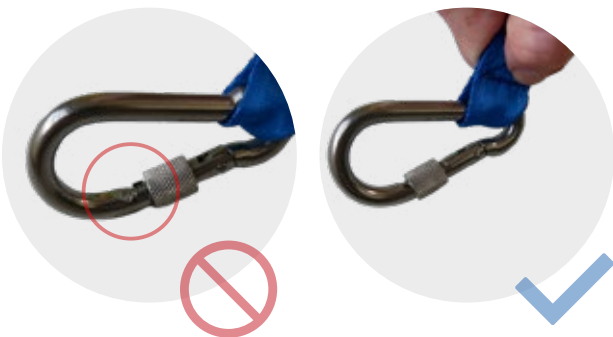
- Each Wiggle Disc has one valve.
- Inflate the Wiggle Discs up to 100%.



- Make sure that you use the correct connector strap with carabiner on both ends.

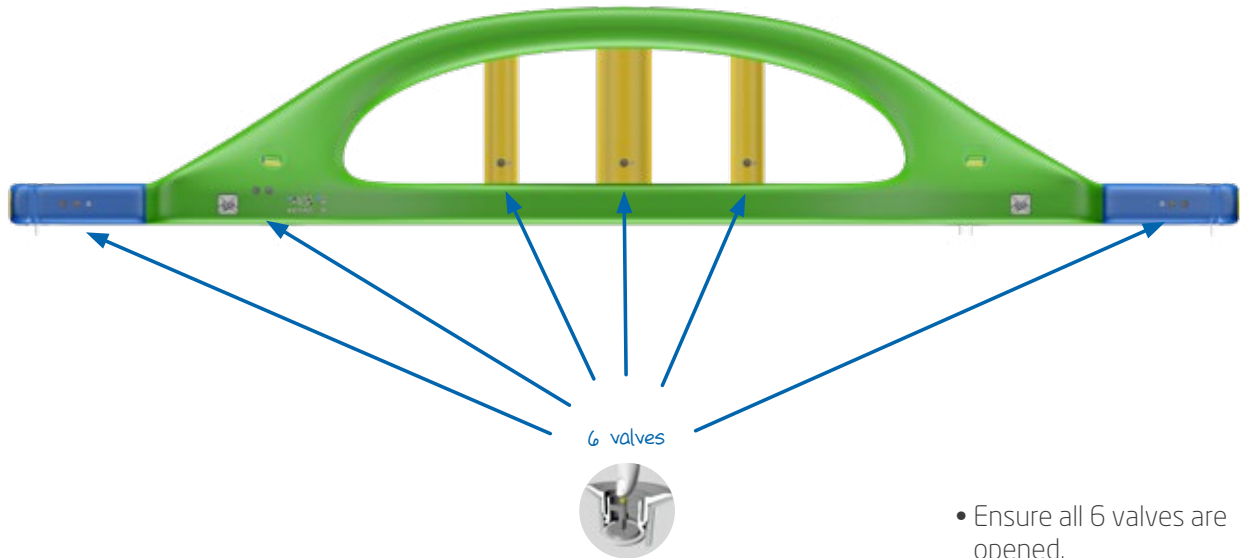


- Ensure to connect the carabiner with the D-ring of the anchor plate in the correct manner!



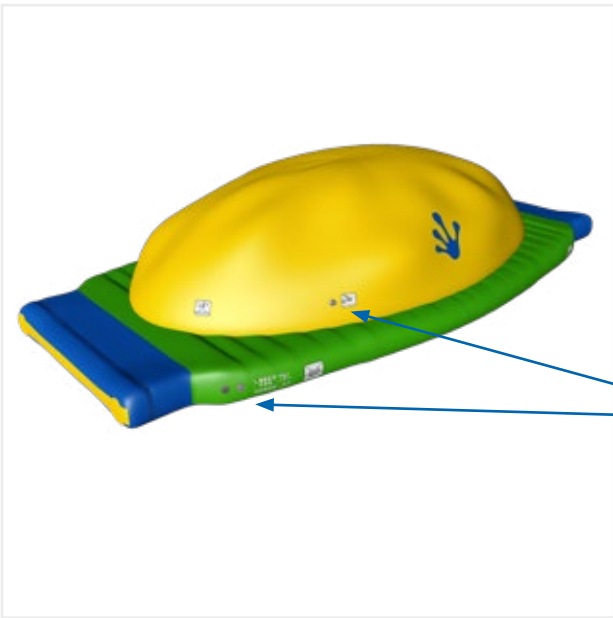
The safety lock needs to be turned like a screw until fully closed.

HighRoller - Set Up Instructions

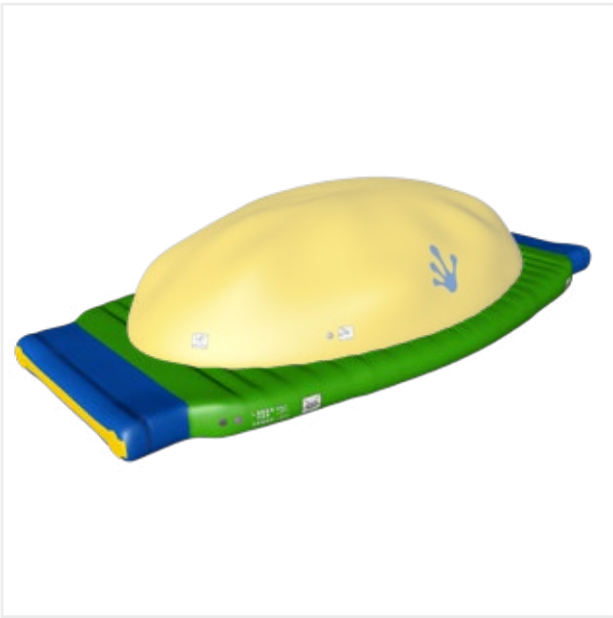


- Ensure all 6 valves are opened.
- Order to Inflate:
 1. blue sections
 2. green bridge
 3. yellow tubes

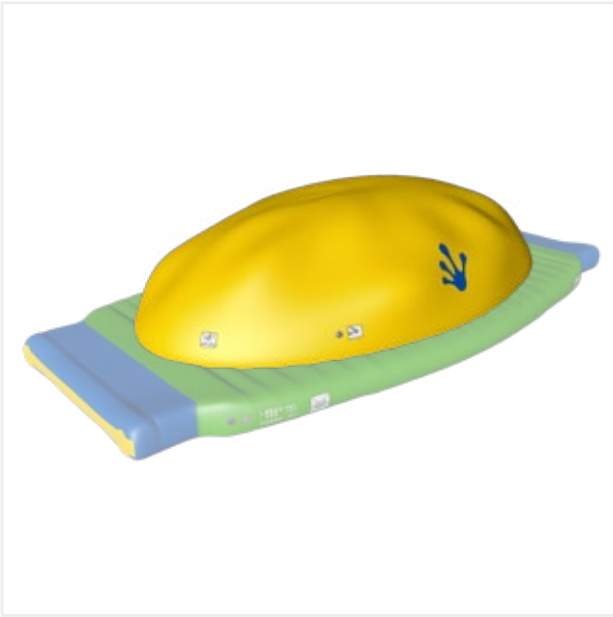
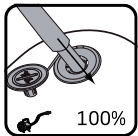
Dome - Set Up Instructions



- Ensure all 2 valves are opened.
- Order to Inflate:
 1. green body with blue sections
 2. yellow pillow



- Inflate the green body with the blue sections up to 100 %.



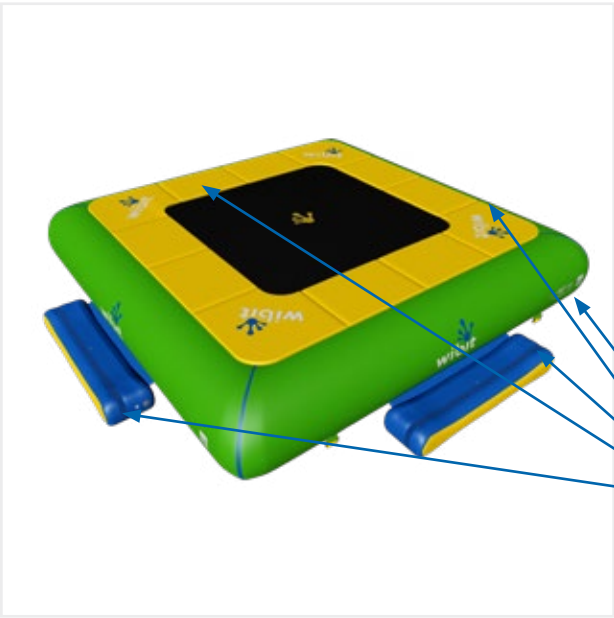
- Inflate the yellow pillow only up to 80-90 % in order to avoid damage!



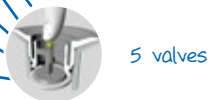
Do not fully inflate the yellow pillow!



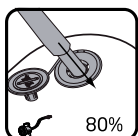
Trampoline - Set Up Instructions



- Ensure all 5 valves are opened.
- It is important to follow the right order when inflating the different air chambers!
- Order to Inflate:
 1. blue sections
 2. tube



- Inflate the Trampoline tube until 80 % of the required working pressure is achieved.



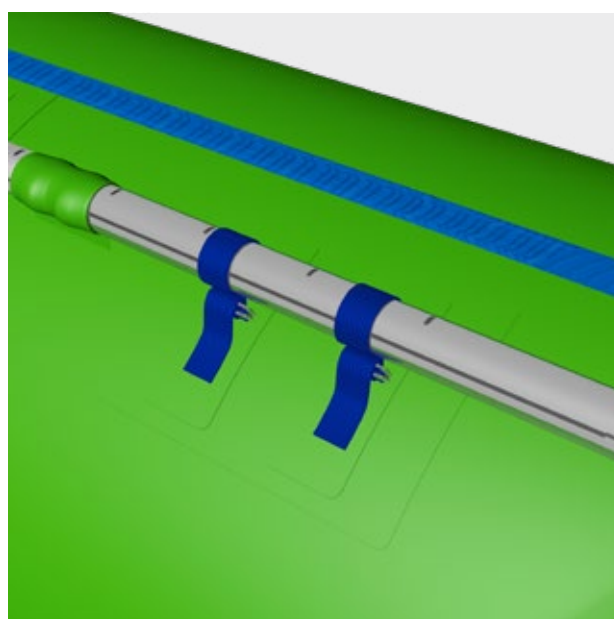
Do not fully inflate the tube!



- Start by installing a corner piece in the webbing straps provided.
- Make sure the webbing straps are only loosely fastened.
- Mount the straight frame pieces in the correct order.
- The frame pieces have to be plugged together and fastened with the help of the screws.
- Cover the connection points using the green protector.



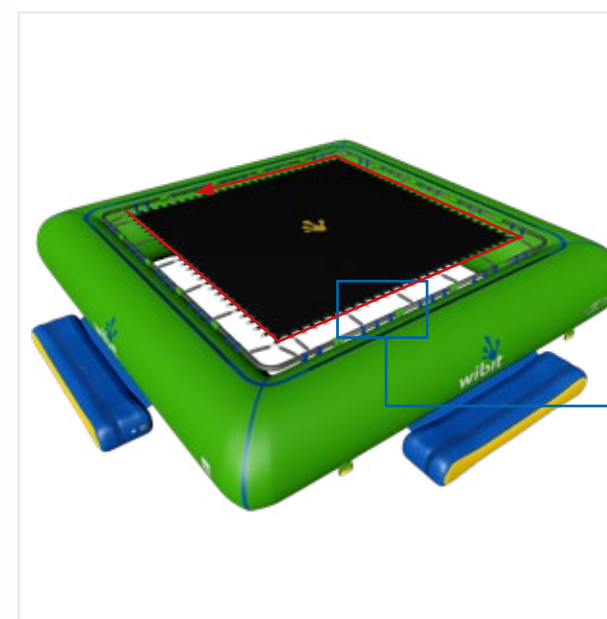
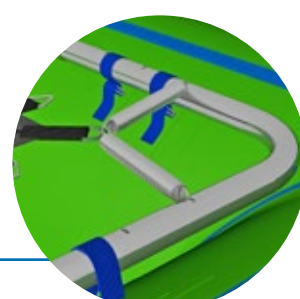
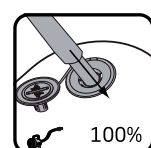
- Continue to connect the frame pieces working in one direction around the Trampoline.
- When you are ready to slot the final corner piece, you will need to force the pieces away from each other before they can be slotted together.



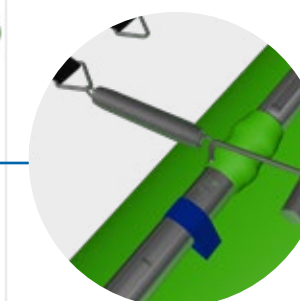
- Once each frame piece is installed, make sure all straps are pulled tight.
- Make sure to regularly check that the straps are tight.



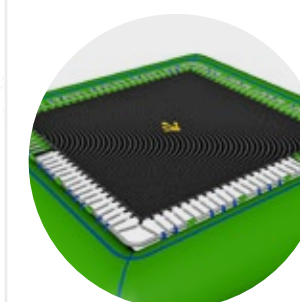
- Inflate the Trampoline tube until 100% of the required working pressure is achieved.
- Make sure to regularly check the air pressure.
- Connect the corners of the jumping mat to the corners of the Trampoline frame using two springs for each corner.



Attach 1 spring every 5 loops working around the Trampoline until all springs are installed, so that the jumping mat is put under tension equally from all sides.



- Proceed with adding more springs.
- Use the same procedure working your way around the frame.
- Add the remaining springs.



- Cover the springs with the safety pad.
- Fasten the safety pad to the frame using the lace and make sure the blue velcro on the safety pad lines up with the velcro on the tube.



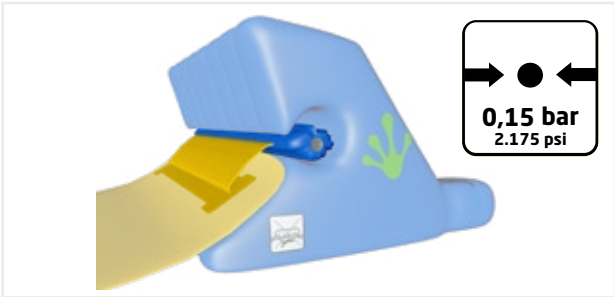
Flip - Set Up Instructions



- Ensure all 5 valves are opened.
- Order to Inflate:
 1. blue body
 2. blue tube
 3. yellow pillow
 4. inner tubes



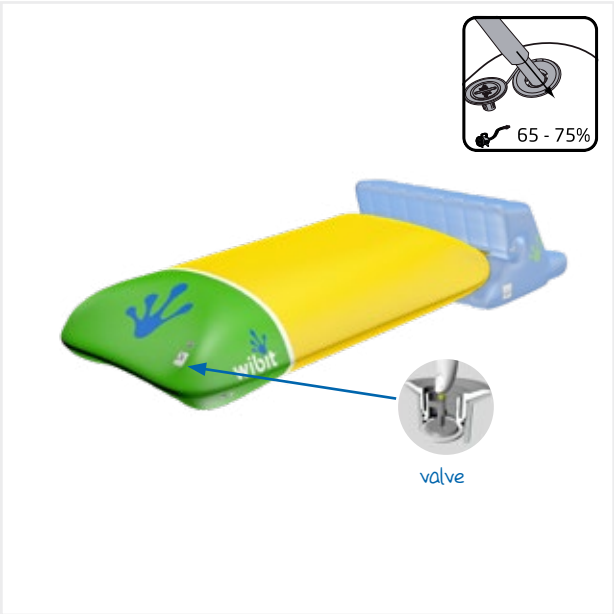
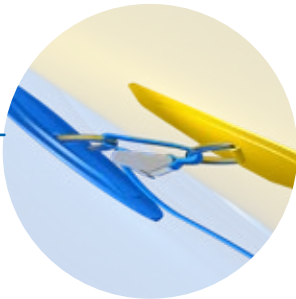
- Inflate the blue body up to 100%.



- Position the uninflated blue tube in the center of the blue body.
- Inflate the blue tube up to 100% while making sure it stays in the center of the blue body.
- Make sure to regularly refill the blue tube to assure it stays in the center.

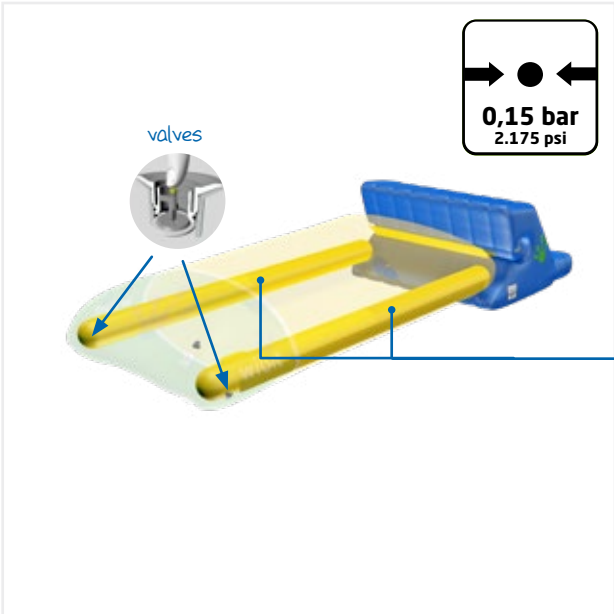


- Loosely connect the pillow with the blue body using the connector strap.



- Inflate the yellow pillow only up to 65-75 % in order to avoid damage!

Do not fully inflate the yellow pillow!

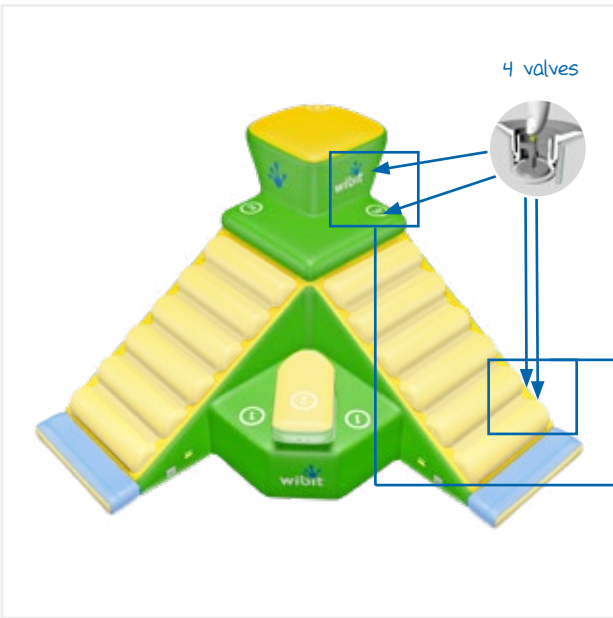


- Inflate the two inner tubes up to 100%.

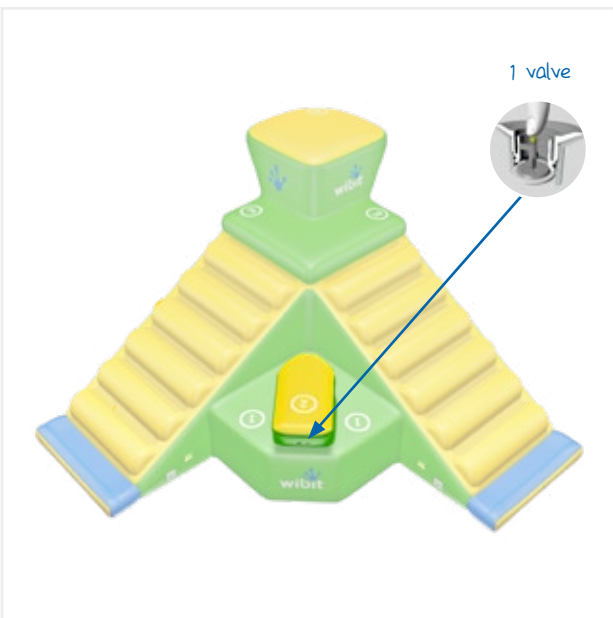
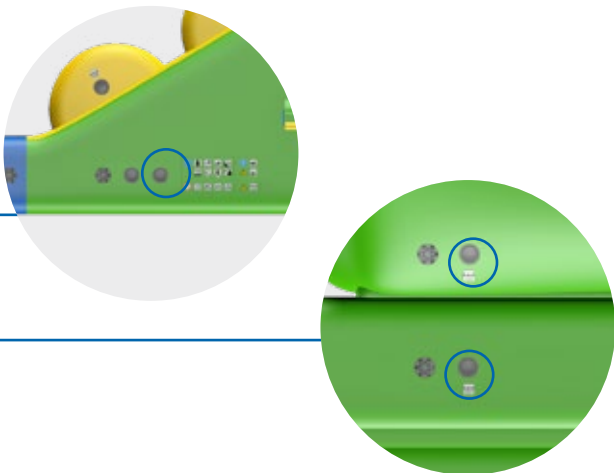
Springboard - Set Up Instructions



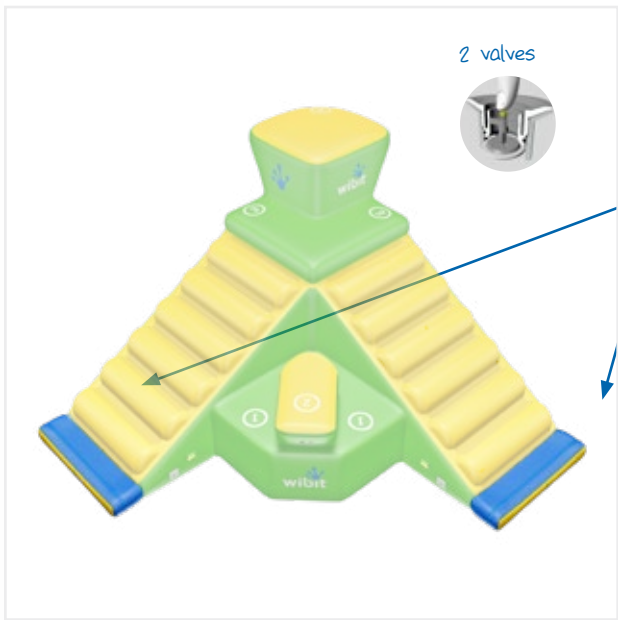
- Ensure all 19 valves are opened.
- Order to Inflate:
 1. main body
 2. lower pedestal
 3. blue sections
 4. yellow tubes



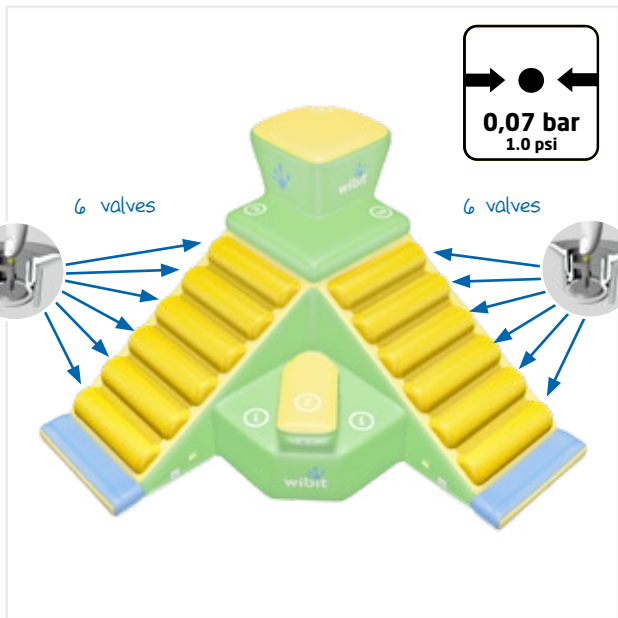
- Inflate the main body up to 100%.



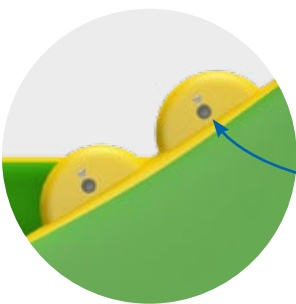
- Inflate the lower pedestal up to 100%.



- Inflate the blue sections up to 100%.

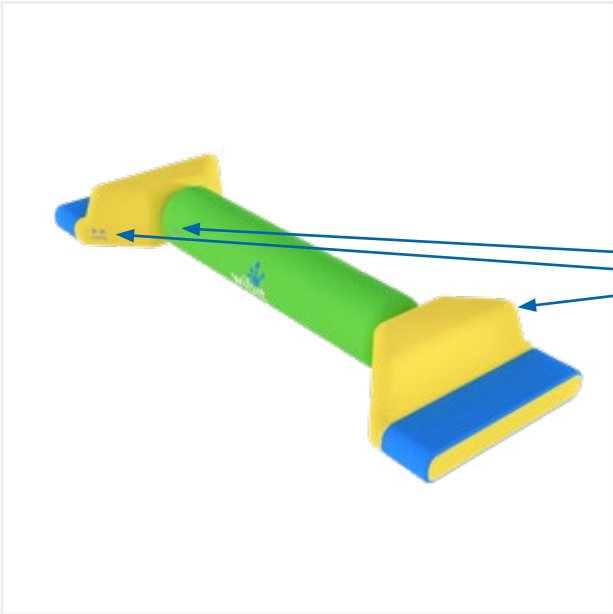


- Please inflate the yellow tubes up to 0,07 bar / 1.0 psi air pressure!



Every yellow tube has its own valve!

Logroll - Set Up Instructions

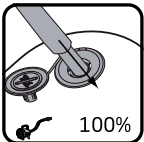


- Ensure all 3 valves are opened.
- Order to Inflate:
 1. Blue-yellow sections
 2. Green tube

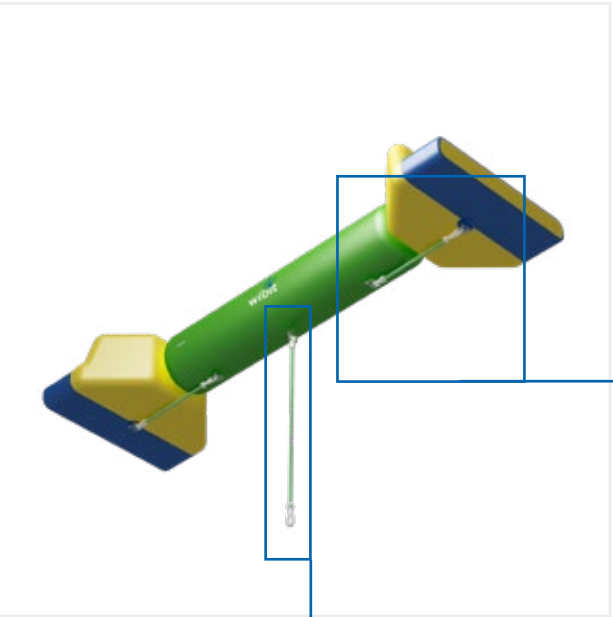


3 valves

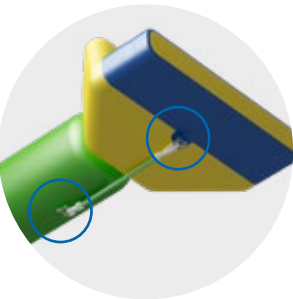
- Inflate all bodies up to 100%.



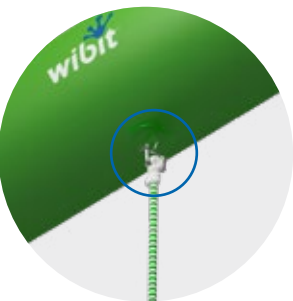
100%



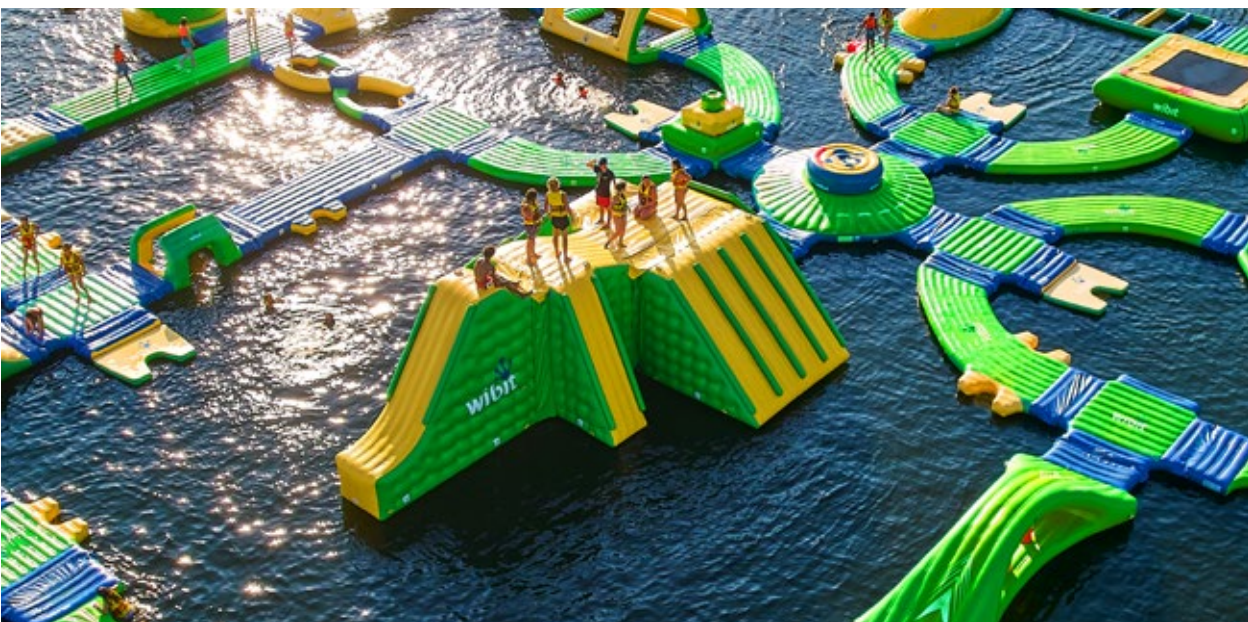
- The required yellow Bungees with shackles are included.
- Connect the green tube on each end to the platforms using the Bungees and attach them to the anchor plates on the bottom of the elements.



- On the bottom of the green tube there is an additional anchor plate for supplementary fixing to make the Logroll easier to cross.



Mountain - Set Up Instructions



Single Elements of the Mountain

MultiSlide
185 kg / 407 lbs
Inflation time 23 min.

SkyJumpSlide
136 kg / 300 lbs
Inflation time 19 min.

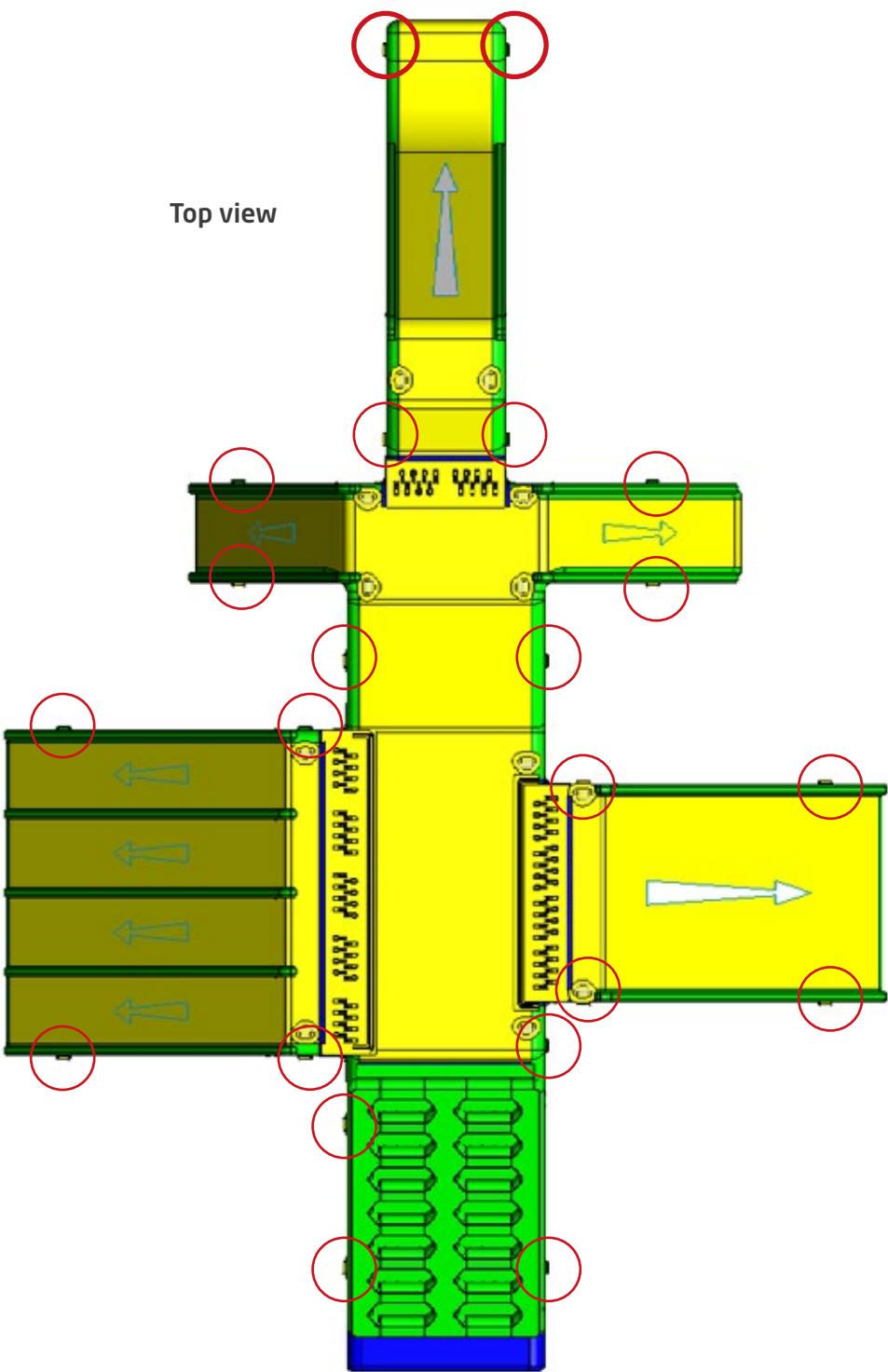
MainBody
360 kg / 794 lbs
Inflation time 35 min.

Ladder
40 kg / 88 lbs
Inflation time 4 min.

FamilySlide
127 kg / 280 lbs
Inflation time 17 min.

Position of Carrying Handles

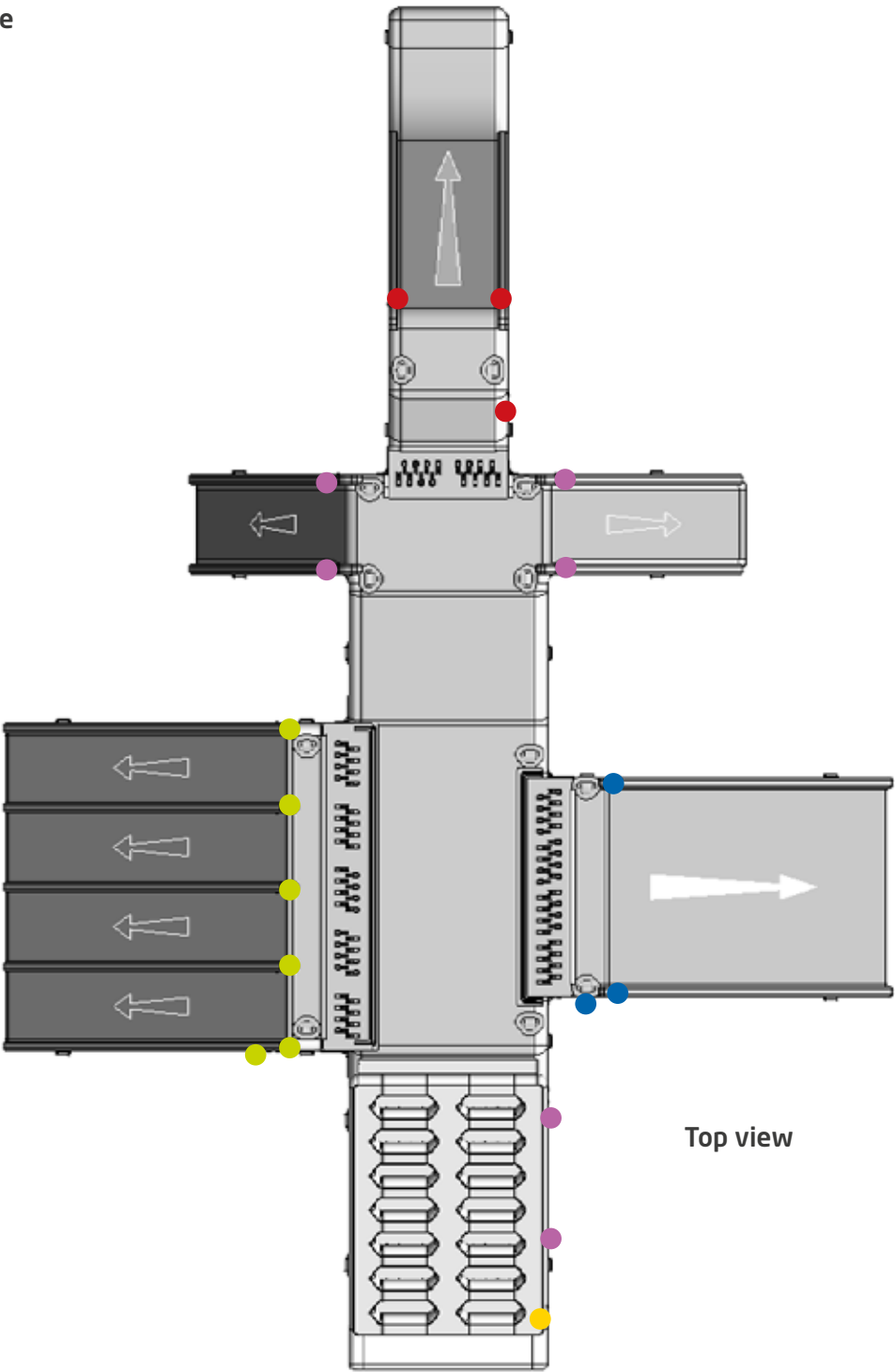
The red circles show the positions of the carrying handles.



Position of Valves

The dots show the positions of the valves.

- SkyJumpSlide
- MainBody
- MultiSlide
- FamilySlide
- Ladder



Top view

Product Set Up



Other material needed

- Wibit Spare Parts & Accessories
- Anchors (at least 10)
- Sheet or canvas on the shore to prevent dragging scratches
- Motor boat or similar

Timing and support (Mountain only!)

- Total installation time: appr. 10 hours
- 8-10 people (especially to carry the elements on the shore)
- 2 divers

Unpacking



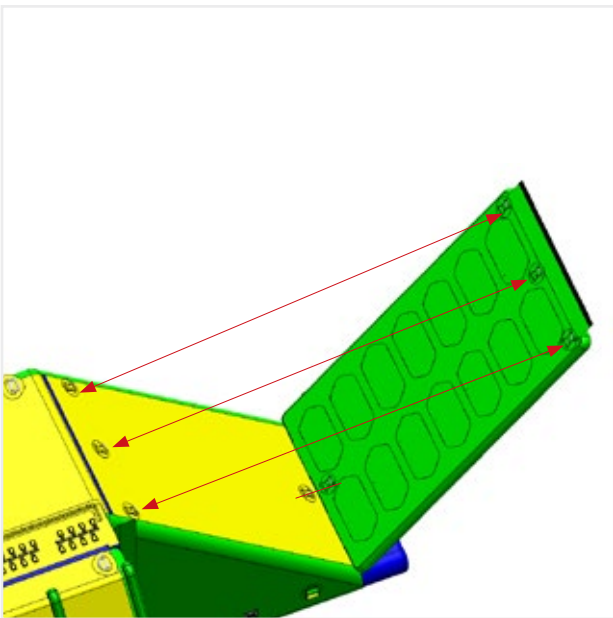
- Unpack all products, spare parts and accessories, preferably on a large sheet or canvas.
- The closer you can get to the shore with a forklift, the better as the single elements are very heavy.

Our product manual includes instructions on how to correctly inflate the product.

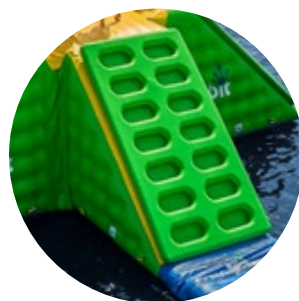




- Inflate the MainBody. If possible, place part of it in the water directly to make the carrying easier once inflated.



- Inflate the Ladder and attach it to the MainBody while on land. Use 75 cm / 30" Connector Straps and the attached D-rings for this connection.
- Bring the MainBody incl. Ladder into the water and fasten it close to the shore to prevent it from floating away.
- Inflate the FamilySlide, MultiSlide and SkyJumpSlide.



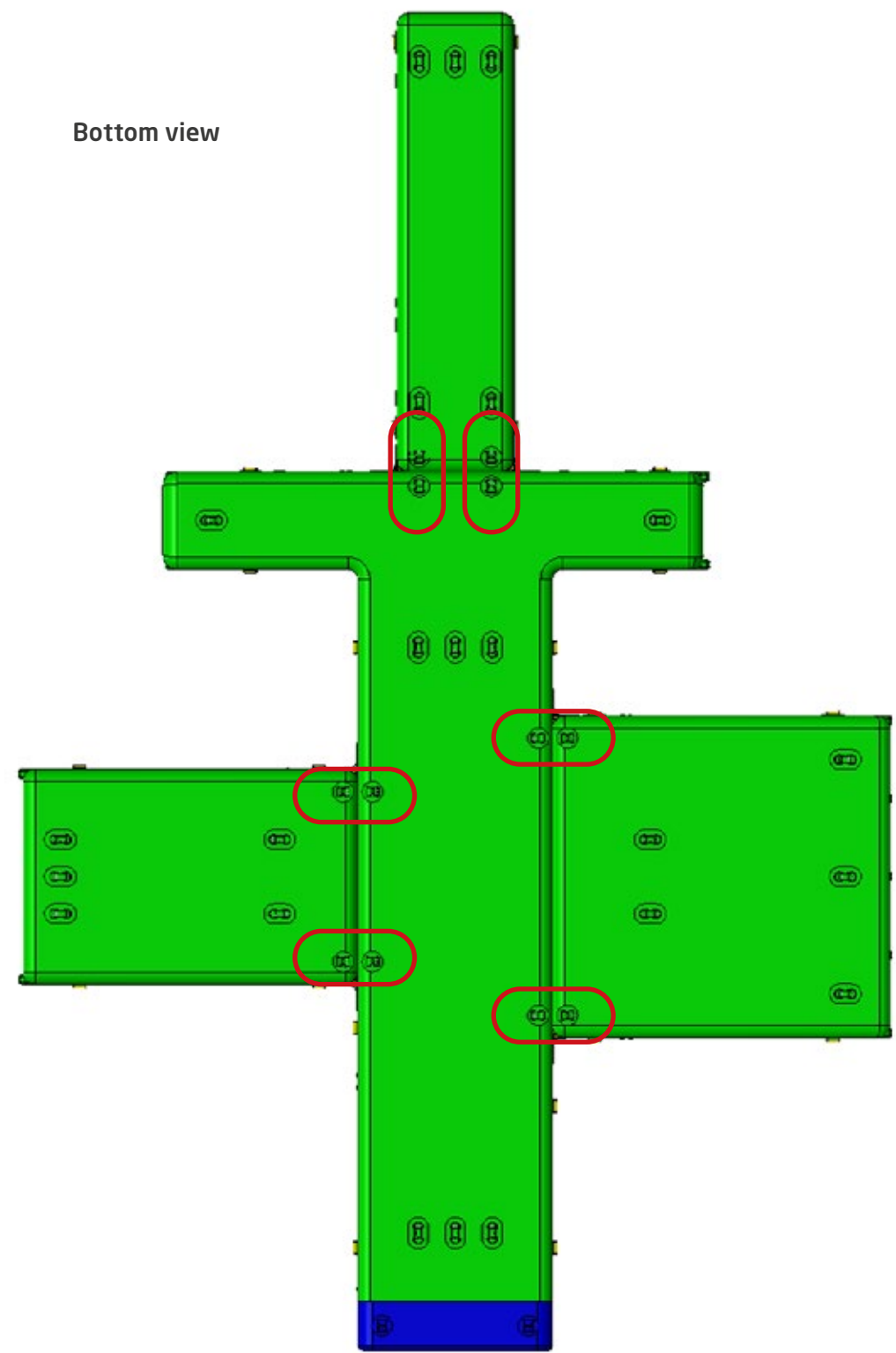
Order of Connecting the Elements

- Bring the FamilySlide to the water and connect it to the MainBody.
- Bring the MultiSlide to the water and connect it to the MainBody.
- Bring the SkyJumpSlide to the water and connect it to the MainBody.

Position of Connecton Points

The red circles show the connection areas. A single **150 cm / 5,9"** connector strap is required per connection, two per Slide.

Bottom view



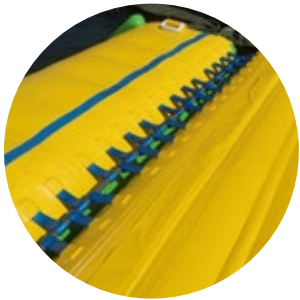
Connection of Elements



- Connect the FamilySlide with the MainBody. Start with the Connector Straps and D-rings underneath the products. Use a single **150 cm / 5,9"** strap for each connection, two per slide.



- Pull the grey hose through the blue loops (alternating between loops of the MainBody and the other element) on the two sides and top of each element to attach them to the MainBody. The upper part can be done standing on the MainBody, for the lower loops you need a boat or raft next to the product to stand on.



It is faster to pull the whole hose through a single loop instead of pulling it through many at once.

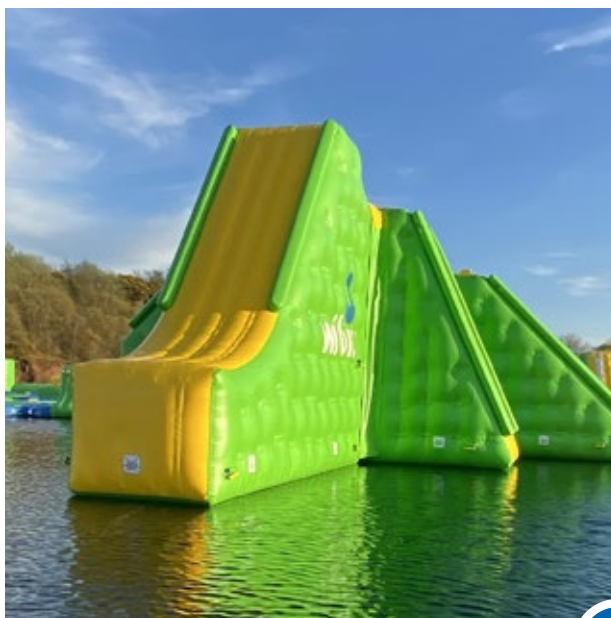




- Attach the SafetyFlaps on both sides and on top to cover the hose and loops properly. Start with the flap on the top to get the exact position for the flaps on the sides.



- Repeat the previous steps with the MultiSlide and the SkyJumpSlide. Be careful when bringing the SkyJumpSlide to the water. Due to its shape it is very prone to wind and it will be difficult to bring it back in its upright position on the water.



To bring the SkyJumpSlide back in position, you can pull a rope through the climbing handles and lift it up from the MainBody.

Anchoring

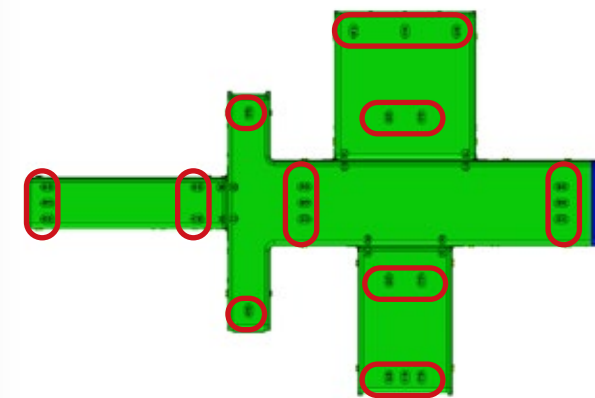
Anchor Plates

The red circles show the positions of the anchor plates. Depending on the location and local conditions, certain anchor plates are required for the anchoring – not all anchor plates have to be used! The anchor plan shows the individual anchoring.

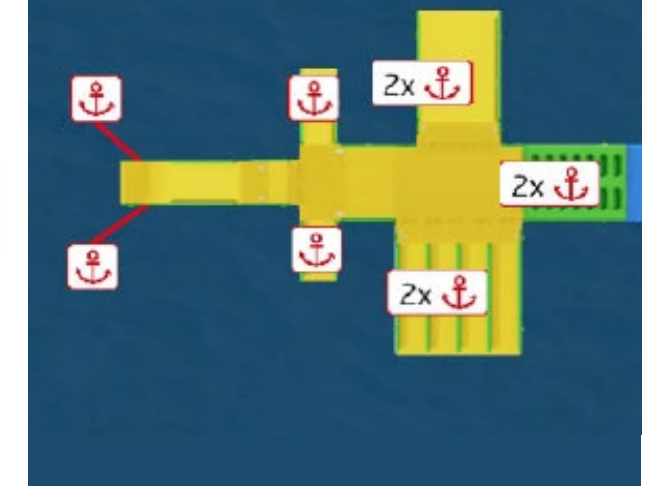
Anchor Plan

The anchor plan indicates the number and position of the concrete anchors and fastening ropes to be used. The anchor plan is created individually for you – tailored to your location and local conditions. Note: This is just an example illustration.

Bottom view

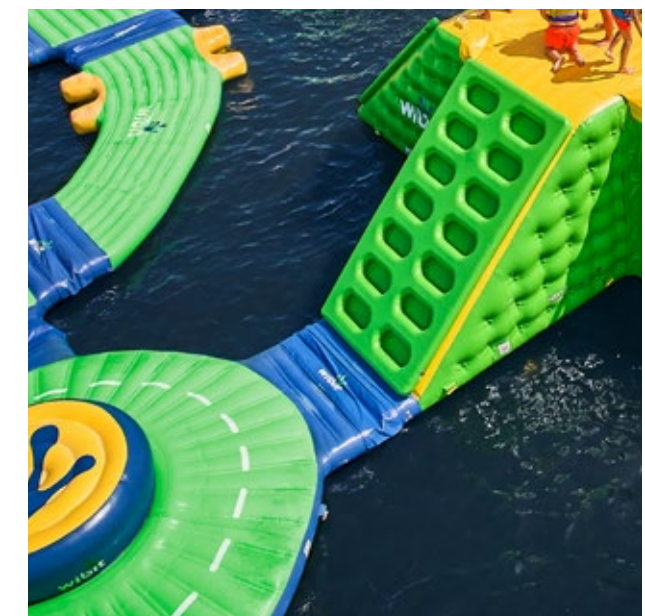


Top view



Connection to the SportsPark

- Attach at least two anchors to the Mountain before connecting it to the SportsPark to keep it in position in case wind or waves start moving the product.
- Attach the rest of the anchors (at least 10) to the Mountain before or after connecting it to the existing SportsPark with the normal Connector Straps and cover the gap with a Safety Flap.



Wibit Peakz - Set Up Instructions



The following list shows basic elements, equipment and designations of the product line Wibit Peakz.



• **Peaks** come in three different sizes: S, M and L.



• **Bridge** connects the individual Peaks, ensuring an obstacle for the park goers.



• **Plus Plate**, is a yellow connecting cross already attached to the Peak.



• **Anchor Plates** are the connection points for connector straps. For safety reasons, unused anchor plates must be closed with the velcro cover.



• **Topper**, a yellow plate mounted on top of the Plus Plate.



• The **Key Section** is located on the head side of a Bridge and is placed in one corner of the Plus Plate.



• **Block**, used to close open slots within the Plus Plate if no other products are mounted in an opening. These are inserted last and are then to be inflated.



• **Ladder** to reach high places without damaging the products.



• **Carrying Rope** used to transport products without damaging them.



[Click here to see video: Installation Wibit Peakz](#)

Product Set Up



• Unfold product on top of transport bag or protective cover.



• Start inflating Plus Plate. Use electric pump.



• Final air pressure for product can be achieved with hand pump in high pressure setting.

Air Pressure Check



- After the Plus Plate has been fully inflated, start inflating the Peaks with the electric pump.



- Check the air pressure with the pressure gauge.



- Use the Wibit Carrying Rope to transport the Peaks to another place to prevent damage.



Do not drag the products on the floor!



Inserting Bridges



- Place two Peaks at the correct distance from each other before inserting a bridge.



It is recommended to place the products into the water with at least two people.

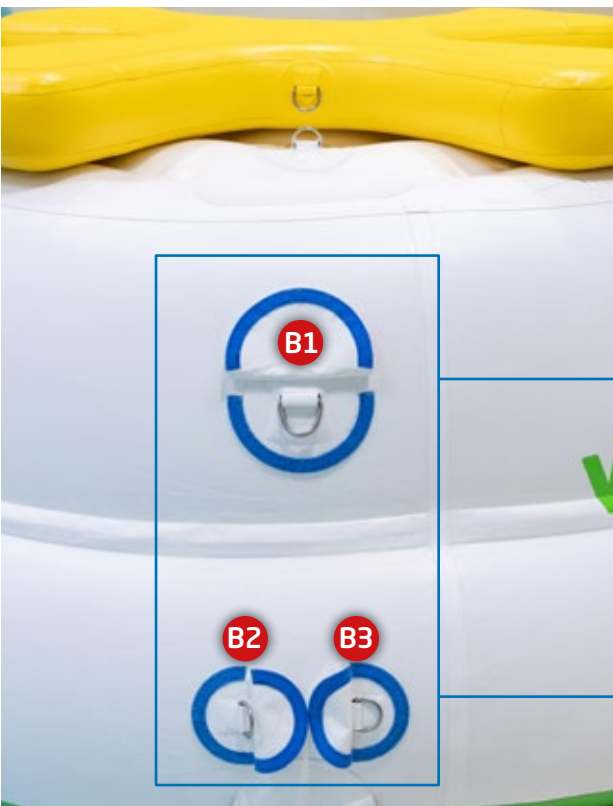
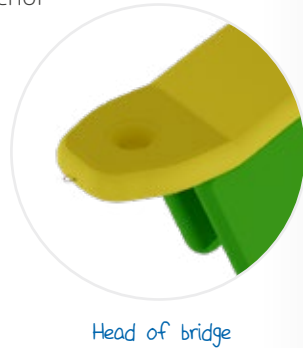
Connecting Bridges with Peaks



- 5 connector straps are needed to connect a bridge to a Peak: 4 short straps and 1 long strap.
- The Key Section of a bridge is placed in one corner of the Plus Plate and connected to the Peak as follows:

Use the anchor plates of the Plus Plate (A), Peak (B) and the bridge (C) to connect them with one long connector strap.
- The remaining installation takes place underneath the bridge:

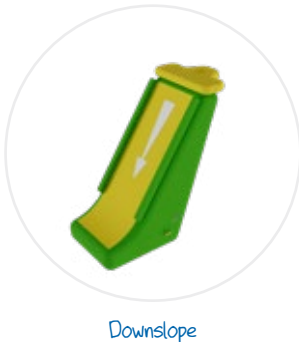
Inside the bridge there are four anchor plates. Use the two upper anchor plates (C1 & C2) to connect them to the upper anchor plate (B1) on the Peak.



- Connect the two lower anchor plates (C3 & C4) of the bridge each to one of the lower anchor plates on the Peak (B2 & B3) with one short connector strap each.



Connecting Other Obstacles with Peaks



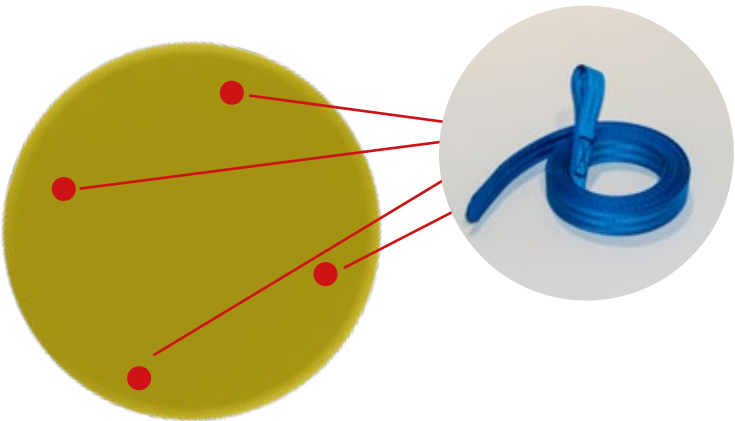
For safety reasons, unused anchor plates must be closed with velcro covers.



- The products Climb, Down Slope and Basecamp are connected to Peaks differently than the Bridges. For this, 1 long strap and 2 short straps are needed.
- Use the anchor plates of the Plus Plate (A), the Peak (B) and the head of the obstacle (D1) to connect them with a short strap.
- Connect the lowest anchor plate of the Peak (B4) with the lower anchor plate of the obstacle (D2) with a short strap.



Connecting the Topper

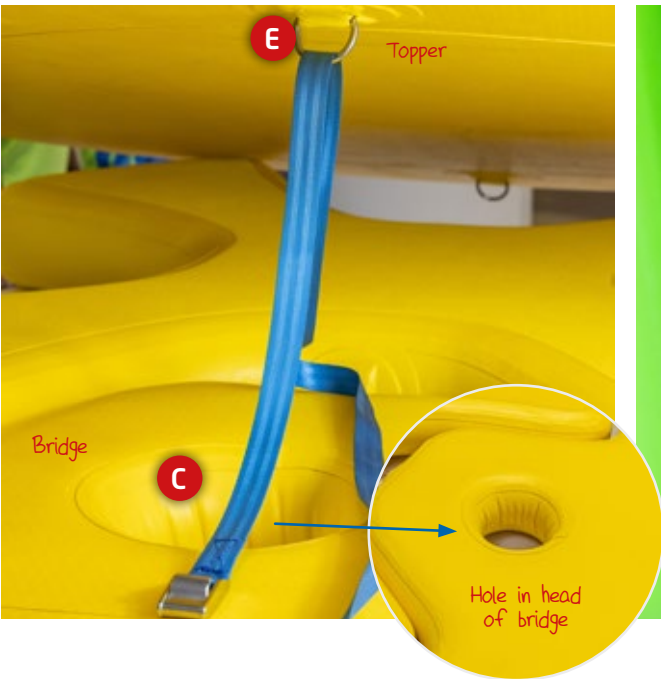


Topper Top View

Before connecting the Topper make sure all straps are threaded through the anchor plates of the Topper. These anchor plates will no longer be accessible afterwards.



- Instructions to connect the Topper to all sides where there are bridges or obstacles:
- The Topper is placed on top of the Plus Plate after connecting the bridges, obstacles or Plunge Pad.
- Guide one of the straps connected to the Topper (E) through the hole of the head of the bridge (C) and connect it to the anchor plate of the Peak (B1).



Close Open Slots Using Blocks

Instructions to connect the Topper to all sides without bridges or obstacles.

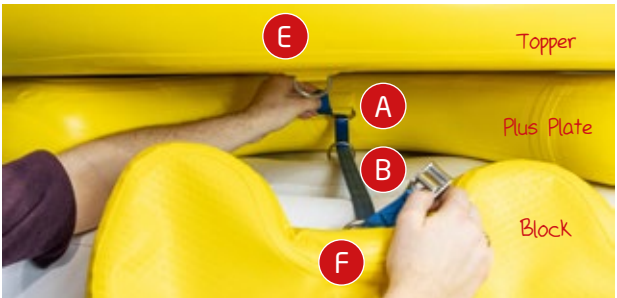


- Use a Block (F) in each corner of the Plus Plate, if there is no bridge, obstacle or Plunge Pad connected.

Open corners of the Plus Plate are a safety risk!



- The Block can only be installed when deflated.



- Use a long strap to connect the anchor plate of the Block (F), the Peak (B), the Plus Plate (A) and the Topper (E).



- Lastly, the Block can be inflated until required air pressure is reached.

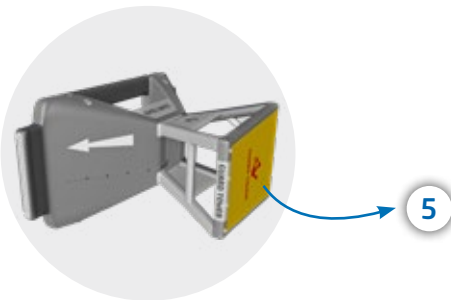
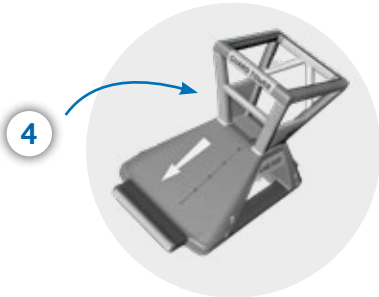
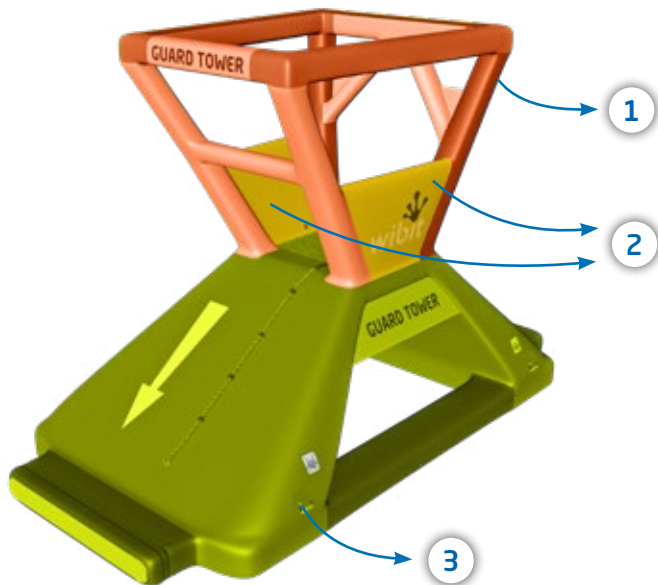
GuardTower - Set Up Instructions



Ensure all 4 valves are opened.

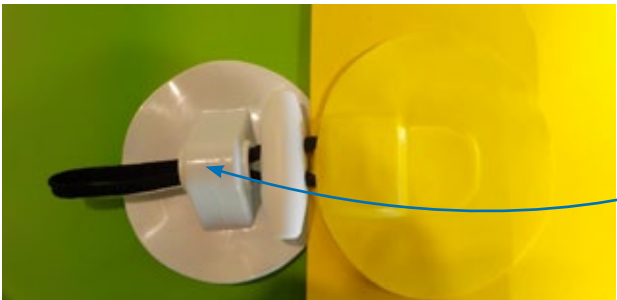
Order to inflate:

1. Inflate the roof part.
2. Inflate the two yellow side walls.
3. Inflate the green body with the blue sections.
4. Flip the GuardTower over on its side.
5. Mount the roof banner (see instructions on the following page).



Guard Tower Climbing Rope
There are two D rings on the platform of the Guardtower. These are used to attach the climbing rope.

Set Up Roof Banner



Thread the rope through the white clip.



Then loop it back over and around the toggle.



Make sure the rope goes all the way around the toggle.

04



CHAPTER 4

Anchoring Pool

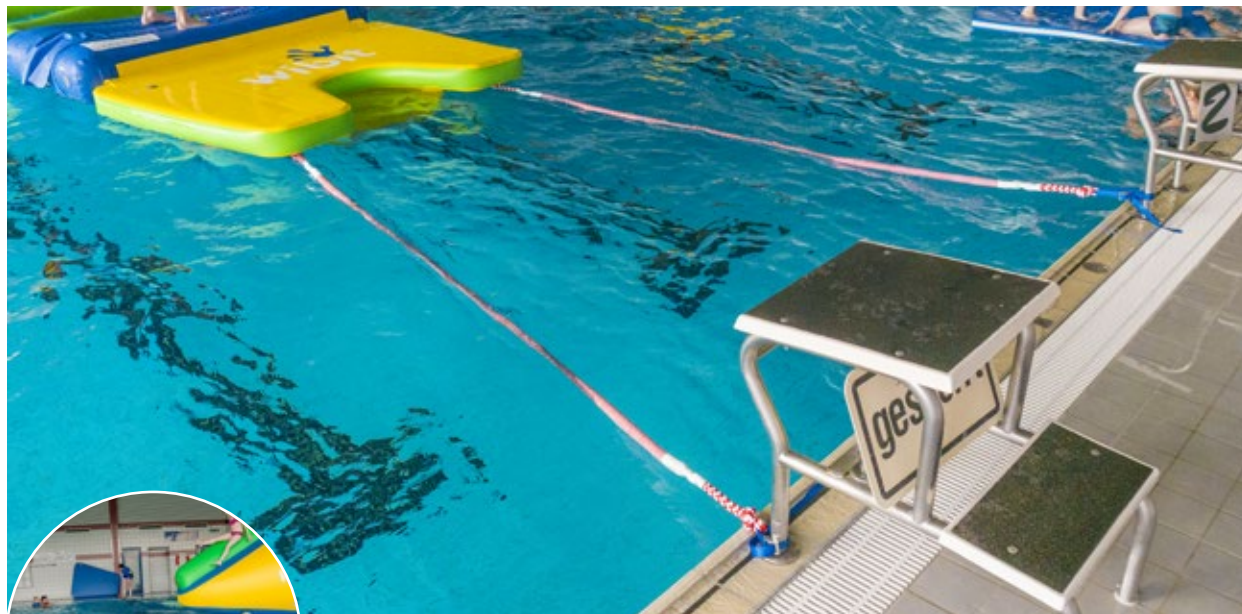
Wibit products can be anchored either horizontally to the pool edge or vertically to the pool ground. Please make sure a minimum safety distance of **3m / 10'** to the edge of the pool or any other solid objects is always kept.

Furthermore, there are additional safety measures which are a quick and simple solution for secure horizontal anchoring of high sliding and jumping products to the pool's edge.

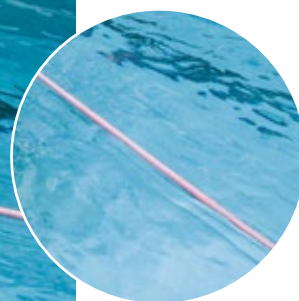
Bungees

There are several ways to anchor the products in a commercial pool. If you use bungees, please follow the following procedure:

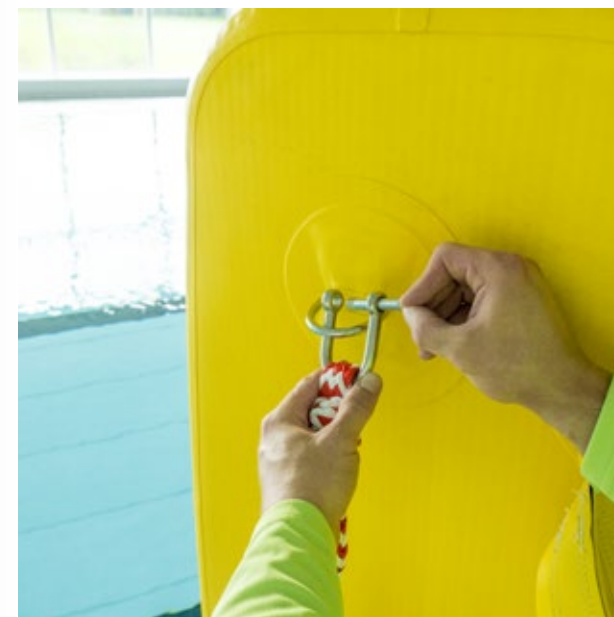
Make sure you use 3 m / 10' bungees for horizontal anchoring.



Bungees are not the right choice for high sliding and jumping products. Please see alternatives on the following pages.



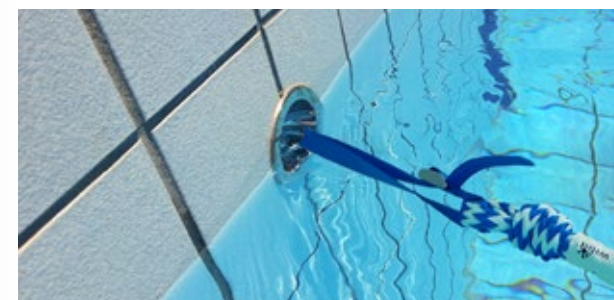
- Connect bungees to the first and last product of a pool track by using a shackle.



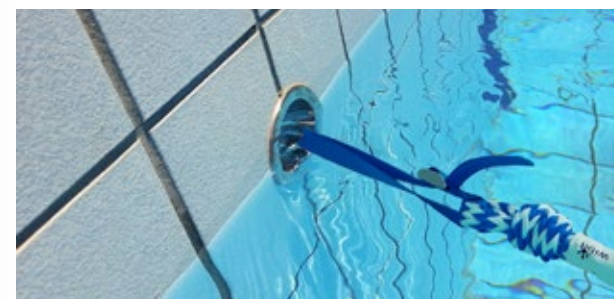
Never open the knot of a bungee!

Depending on the pool conditions on site there are different possibilities for anchoring:

Cup Anchors



- Products can be attached to these hooks or loops with the help of a carabiner or connector straps.



- Double buckle connector straps are needed.



- The mobile floor loops slot into the foreseen openings at the edge of the pool.



- Position the combination in the water.
- Connect the bungee with the connector strap at poolside connection point.
- Pull the strap until sufficient tension is achieved to hold the bungee in position.

If the distance from the products to the pool connection point is more than 3 m / 10' please make sure to use the strap with loop (5 m / 16').

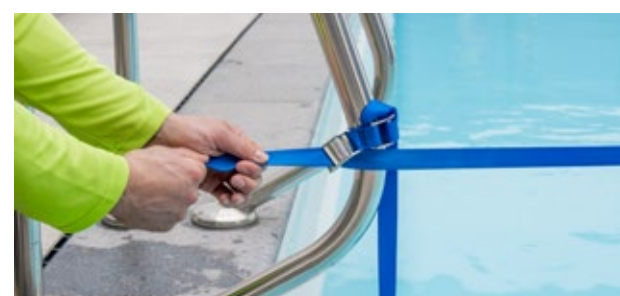


- If you need the extension with the strap with loop (5 m / 16'), connect this strap with the bungee first.



strap with double buckle

To connect the strap (5 m / 16') to the pool connection point use the strap with double buckle.



- Connect the strap (5 m / 16') with the second buckle.
- Pull the strap (5 m / 16') until sufficient tension is achieved to hold the products in the correct position.

As an alternative to the horizontal anchoring with bungees, you may use pool booms or anchor sacks.

Please note: ActionTower XL, Slope and RodeoSlide must only be anchored using pool booms or anchor sacks.

Pool Booms

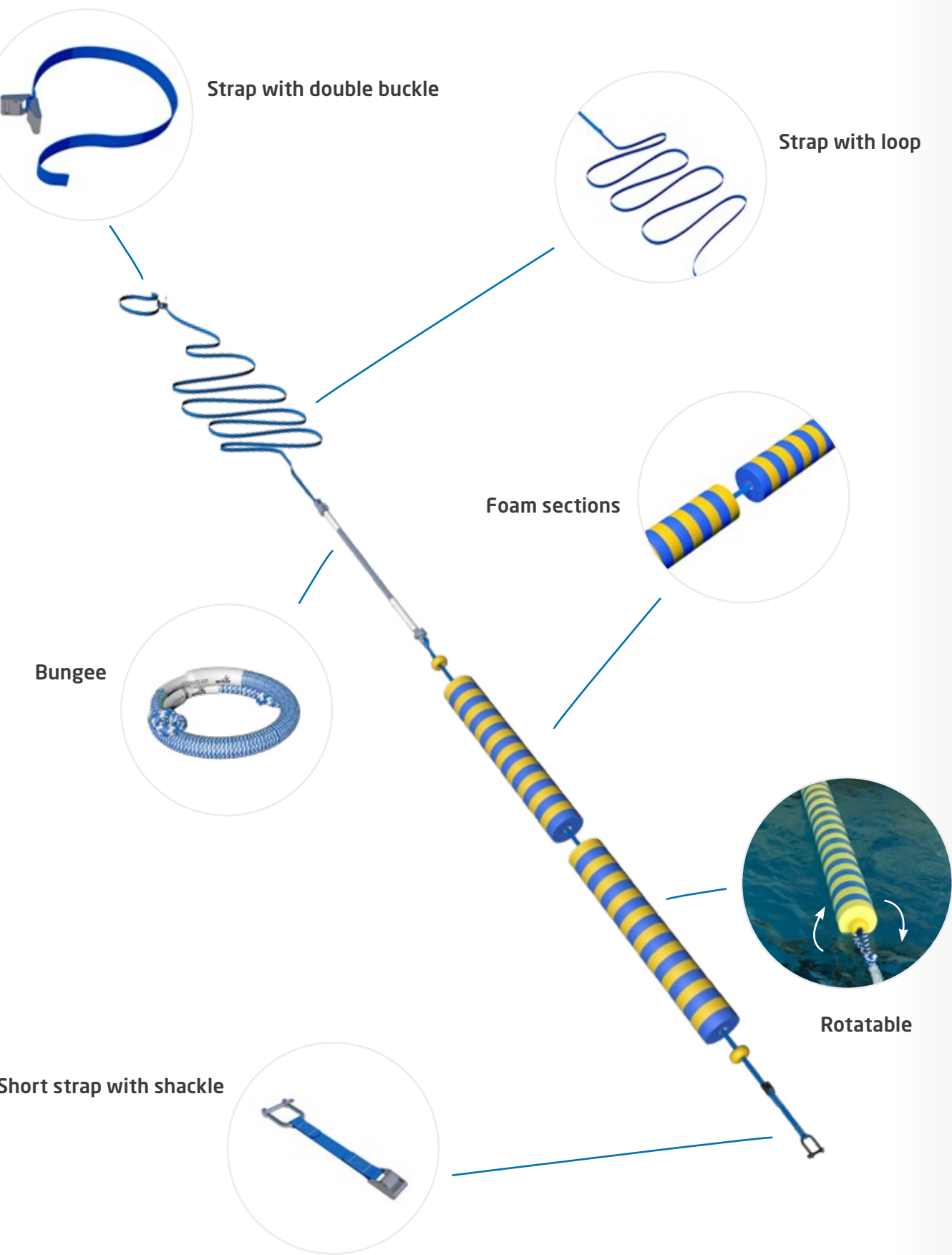


Anchor Sacks



Pool Booms - Set Up Instructions

The following list shows all needed components for the use of the pool booms.



Pool Booms Installation

• Connect the shackle to the anchor plate underneath the product.

• Pull the strap which runs through the inside of the two foam sections through the buckle of the short strap so that the foam discs are pushed together.

• Pull until the gap between the two foam sections is closed.

• Connect the double buckle strap to a chosen connecting point on the pool's edge (ladder, start block, etc.).

• Pull the 5m / 16' strap until sufficient tension is achieved to hold the products in the correct position.

Vertical Anchoring - Anchor Sacks

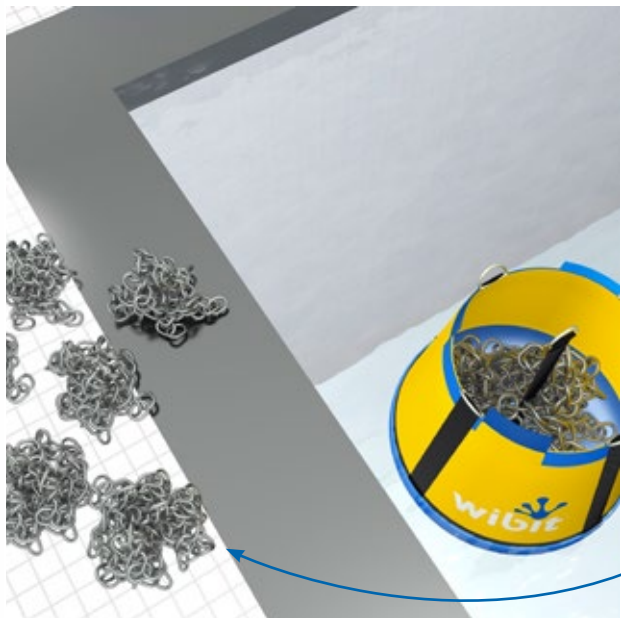


The following list shows all needed components for vertical anchoring:



Transport & Storage

- Use a strong plastic box with drain holes allowing water to escape to transport and store the chain.
- A trolley can help bringing the anchor sack and chain to the pool edge.



Set Up

- Put the anchor sack into the water and fill it with part of your chain to make it sink to the ground.
- Do not cover the central strap inside the sack.



Ensure that the bungees and connector straps are connected and attached to the anchor plate before placing the products on the water.



- Carry the anchor sack to the right position underneath the product.
- Do not drag the anchor sack across the floor.



- Add the rest of the chain.

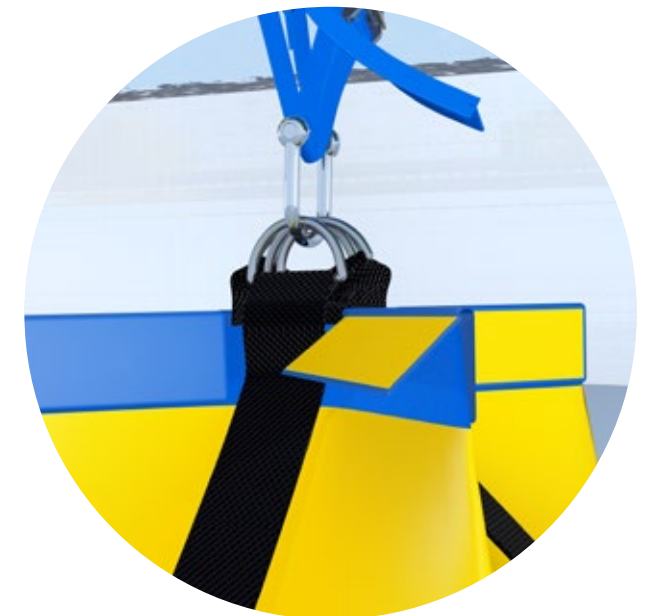


If the water depth is too low then use a rope instead of the bungees!



- Pull the connector straps until the bungees are tight.

Always make sure that the anchor sack stands solidly on its blue bottom.



De- Installation of an Anchor Sack

1. Remove enough of the chain until you are able to move the anchor sack to the edge of the pool.
2. At the pool edge keep removing the chain until the anchor sack floats upwards.
3. Take the anchor sack out of the water and remove any remaining chain.
4. Ensure that the anchor sack and all chain pieces are completely dry before putting them into storage.

Do not leave the anchor sack in the pool

05



CHAPTER 5

Anchoring Open Water Preparations

This chapter guides you through the most important steps that you need follow to consider when setting up a Wibit SportsPark yourself on open water.

Note: These are general instructions recommended by Wibit! Please study your location carefully to be aware of any special needs! Be sure you choose the right area to set up the SportsPark, ideally an area that is not too open, protected from waves and is not exposed to strong currents.

Your number one priority is making the anchors. These should be completely dry before they are placed in the water. It is recommended to let the anchors dry for at least 14 days. For the amount of anchors needed, please refer to the Anchor Specs provided by Wibit.

Water Depth Calculation Open Water



The EN ISO 25649 standard defines numerous safety requirements for the use of inflatable products on the water. One important requirement is that a specific minimum water depth needs to be given at all times.

Since the minimum water depth needs to correspond to the jumping and potential falling heights provided by the various products, the ISO standard stipulates that two different formulas must be used:

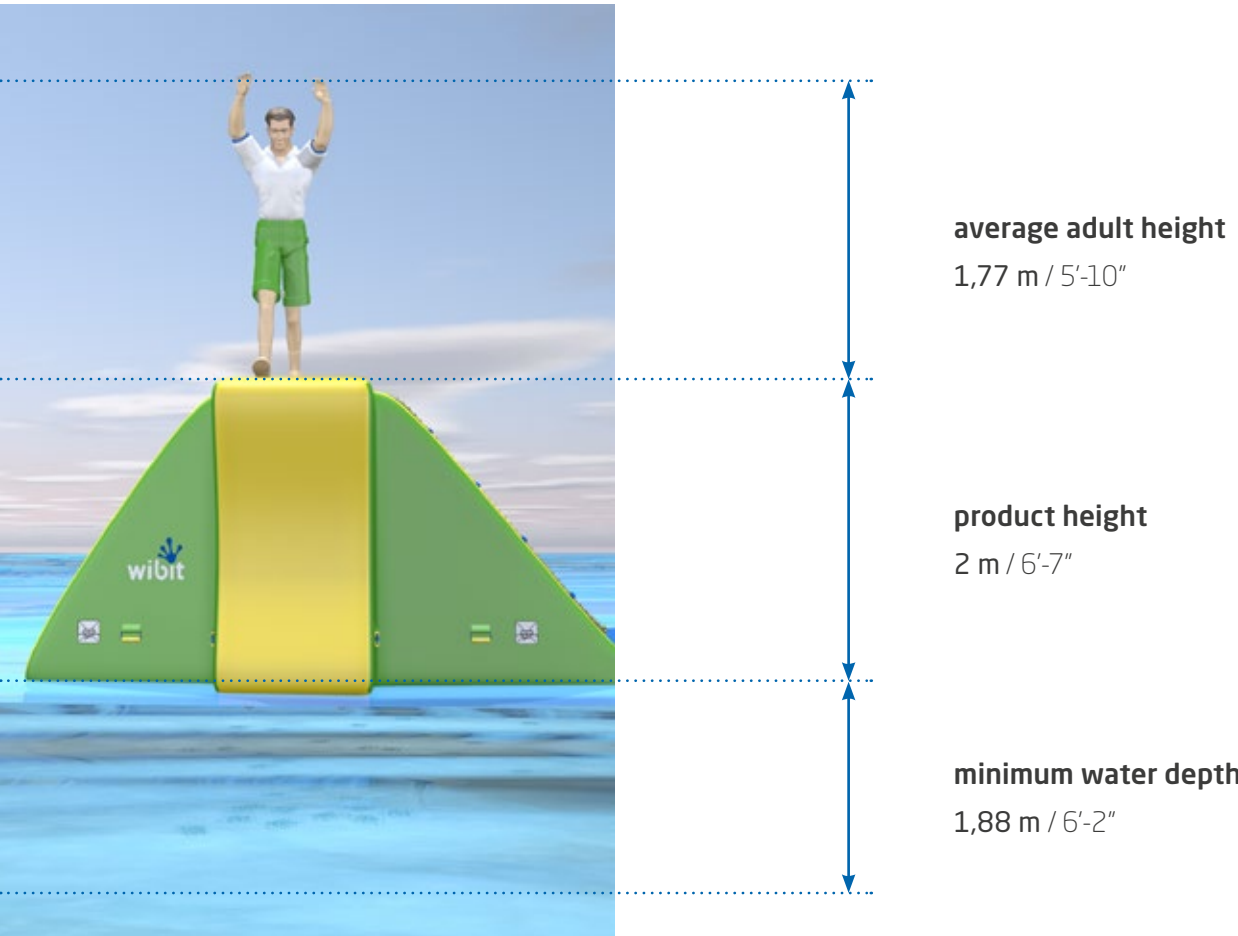
Regular Products

Based on EN ISO 25649 the following formula is used to calculate the minimum water depth for regular products:

Minimum water depth = $\frac{\text{product height} + \text{average height of an adult}}{2}$

Example: ActionTower XL

Minimum water depth = $\frac{2 \text{ m} + 1,77 \text{ m}}{2} = 1,88 \text{ m} / \frac{6'-7" + 5'-10"}{2} = 6'-2"$



Jumping Products

For jumping products, there is an additional factor that needs to be taken into account: the jumping height. The formula is thus defined as follows:

Minimum water depth = $\frac{\text{product height} + \text{average height of an adult} + \text{max. jumping height}}{2}$

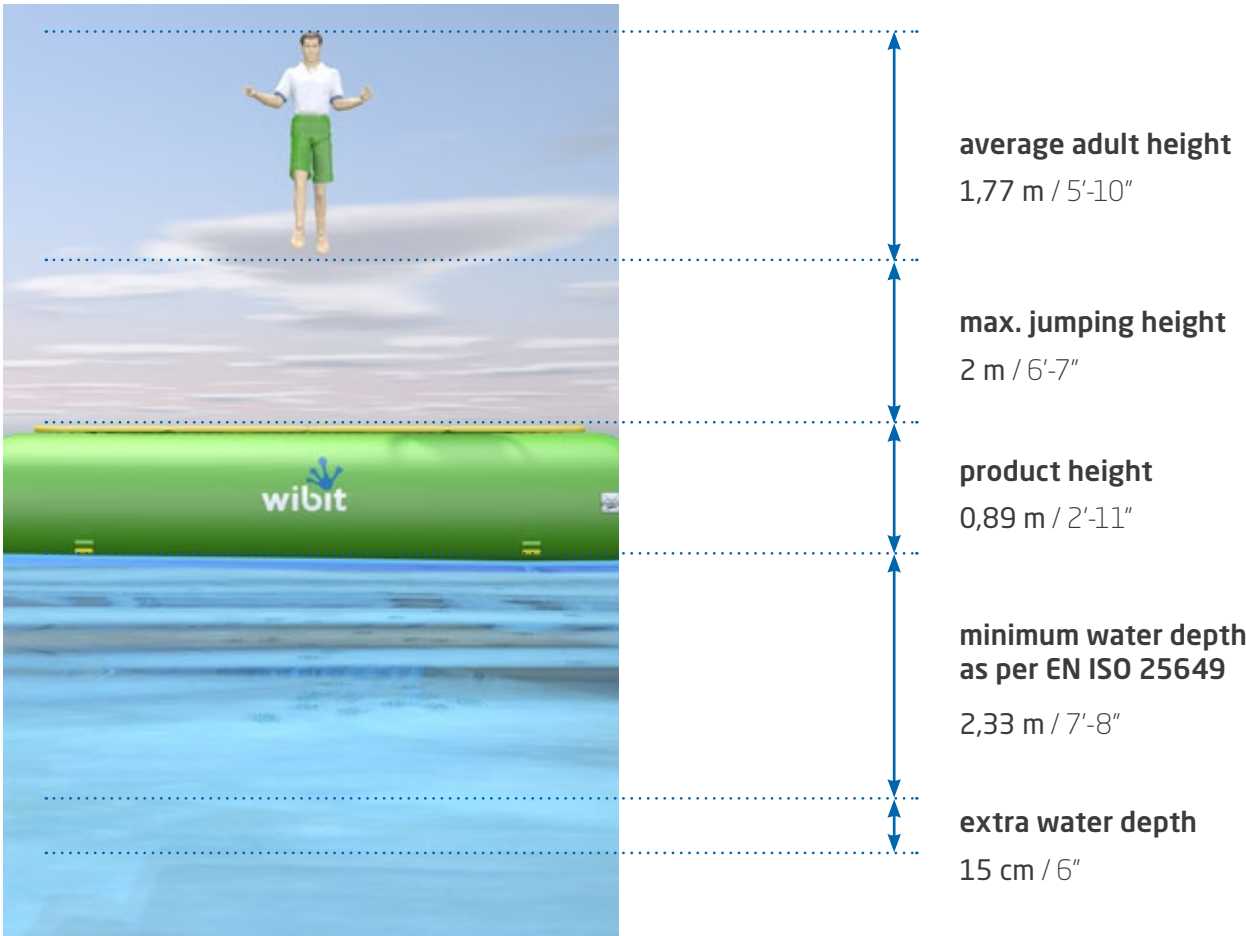
In addition, every operator is free to add an extra water depth wherever they feel this is relevant. Safety being number one priority at Wibit our safety experts have decided to add a 15 cm / 6" buffer for some products (e.g. the Trampoline) in order to make sure they are used in a safe water depth.

Example: Trampoline

Min. water depth as per EN ISO 25649 = $\frac{0,89 \text{ m} + 1,77 \text{ m} + 2 \text{ m}}{2} = 2,33 \text{ m} / \frac{2'-11" + 5'-10" + 6'-7"}{2} = 7'-8"$

Safe minimum water depth determined by Wibit = minimum water depth as per EN ISO + extra water depth

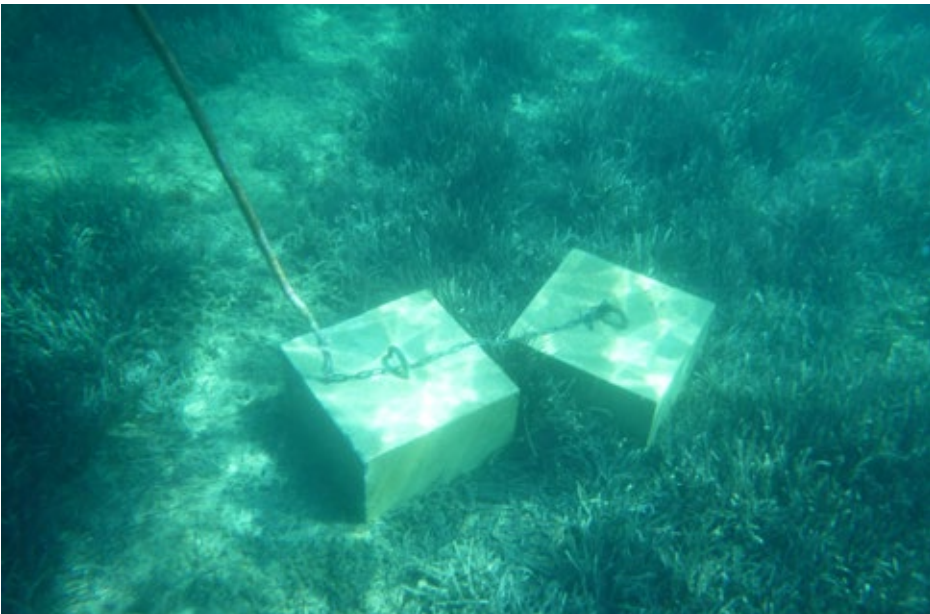
Safe minimum water depth = 7'-8" + 0'-6" = 8'-2"



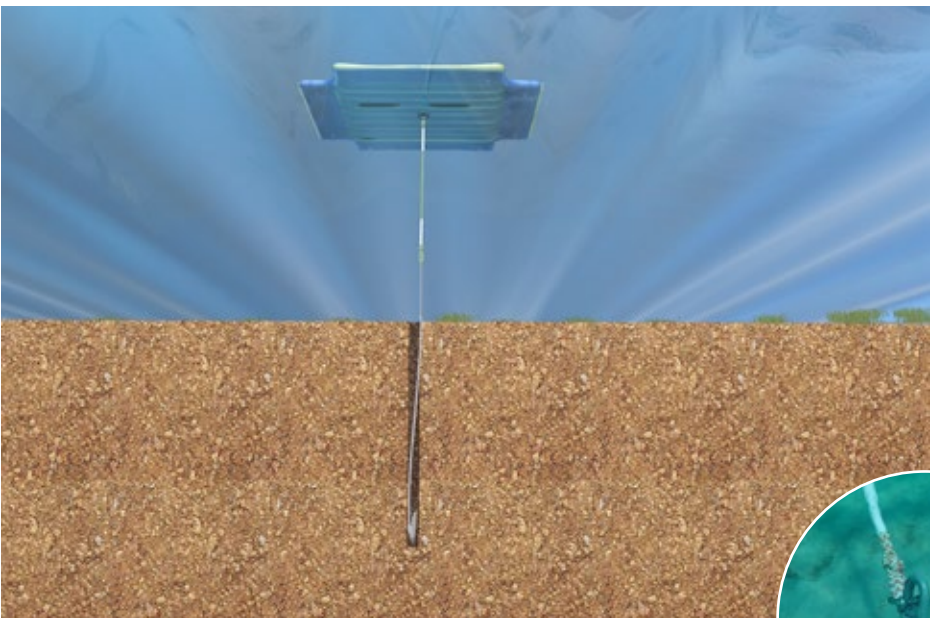
Concrete Anchor

Anchoring

For the anchoring part of the installation, there are two possibilities:



Concrete anchors



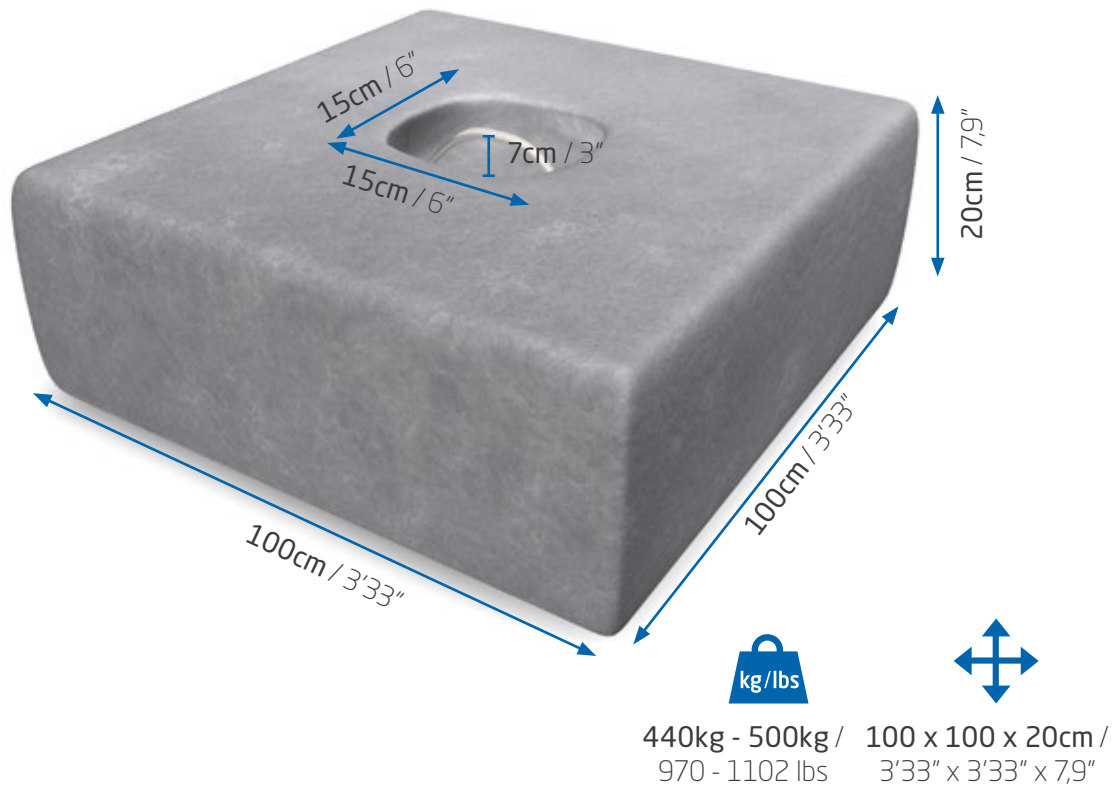
Earth anchors



Anchor Block

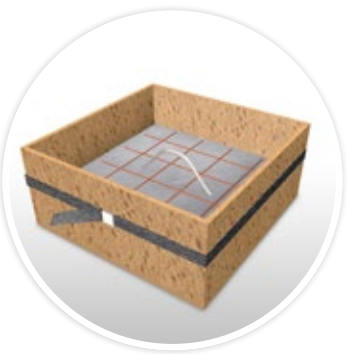
You can either purchase the anchors from a local company or build them yourself with the purchase of a concrete anchor kit. Ask your local marina for advice.

The concrete anchors should have the following dimensions:



These should be completely dry before they are put into the water. It is recommended to let the anchors dry for at least 14 days.

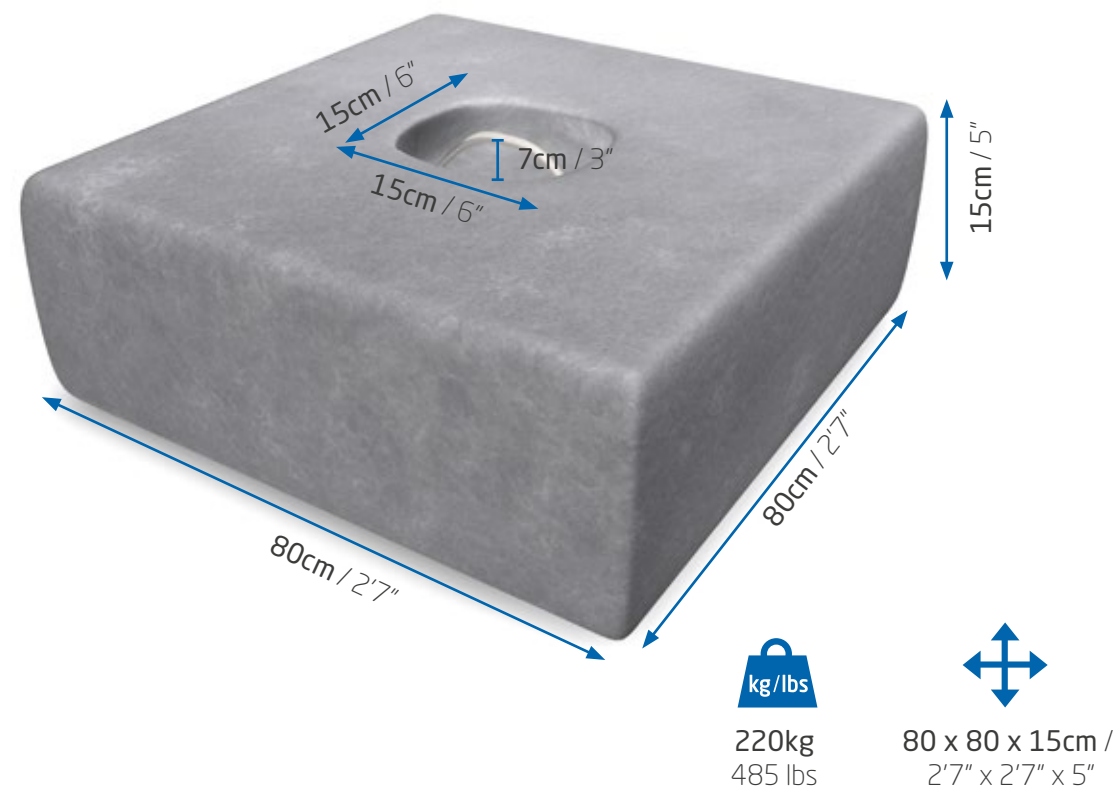
Steel rebar and bar
embedded stainless steel bar
THICKNESS 14mm / 0.6"



Kids Anchor Block:

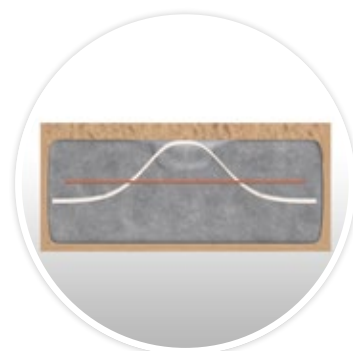
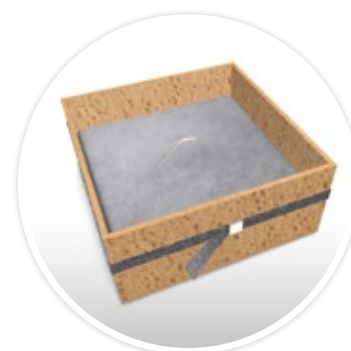
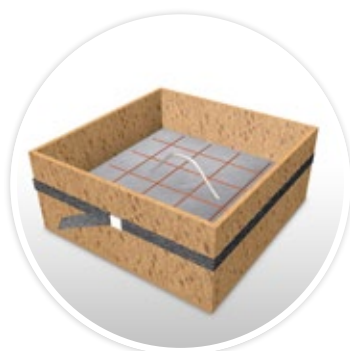
You can either purchase the anchors from a local company or build them yourself with the purchase of a concrete anchor kit. Ask your local marina for advice.

The concrete anchors should have the following dimensions:



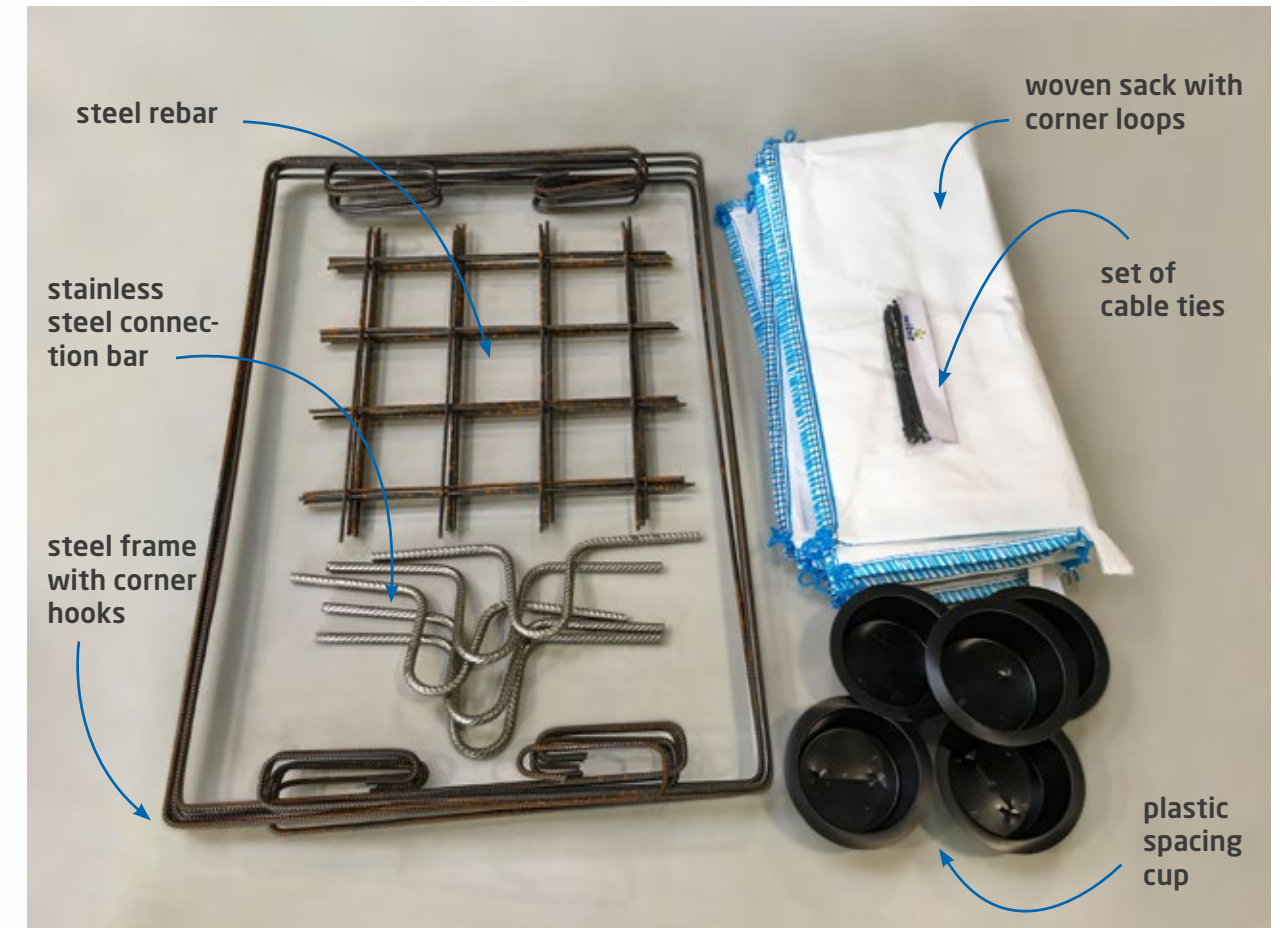
These should be completely dry before they are put into the water. It is recommended to let the anchors dry for at least 14 days.

Steel rebar and bar
embedded stainless steel bar
THICKNESS 14mm / 0.6"



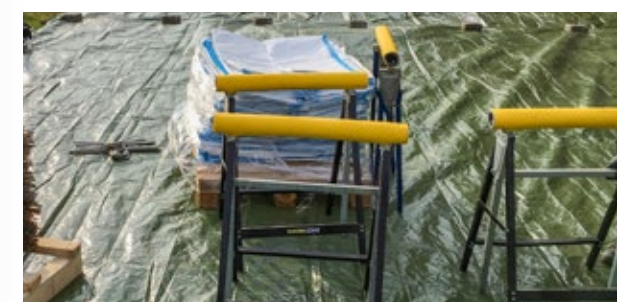
Concrete Anchor Kit

The following list shows all included component of the kit.



Equipment

- Concrete: approx. 1 cbm of concrete for every kit of 5 anchors
- Tarp: approx. 3 x 3 m / 9'10" x 9'10" for every kit of 5 anchors



- Lay out a tarp on the floor.



- Prepare the steel frame as shown.



- Unfold each plastic bag and place it in the middle of the steel frame cross. Insert the loops of the plastic bag into the hooks of the steel frames.



- Secure the corners of the sack with cable ties.



- Fix the short single steel bar in the middle of the grid with cable ties.



- Place the plastic spacing cup onto the stainless steel connection bar.



- Arrange the bags so that they can be filled easily with concrete from all sides. Ensure that the concrete is only filled up to the black mark and evenly spread.



- Once the bags are filled with concrete, take the prepared grid and press it into the fresh concrete until the black cup is on the same level of the concrete surface.



- After the anchors have dried follow the instructions on the left.



Anchoring Checklist

Note the following points when placing the anchors:

✓	Needed	Comments
	Means of bringing anchors to the water	wheel loader / barge / digger / truck
	Oxygen tanks (4) / compressor (1)	for lifting bags (to position the anchors)
	Lifting bags	for moving the anchors
	EVA marker buoys	to mark positioning anchors
	Rope (12mm / 0.47")	for plastic marker buoys
	Chain (8mm / 0.3")	to anchor the products
	Chain cutter	to cut the chain
	Stainless steel shackle (10mm / 0.4")	4 per double anchor point OR 3 per single anchor point
	Divers	to set positioning anchors and remaining anchors
	Electricity and cable drum	(multiple plugs) min 3KW
	Small motor boat and driver / jet ski	for positioning of products - if possible Note: The WibitBoat (engine not supplied) is especially designed for installing Wibit products.
	Tool box, cutter knife, measuring tape, lighter, tape, tarp	various tools needed during the installation process
	Setup helpers	unloading, unpacking, inflating, bringing the products to the water, etc.
	Products must be at the location	- on the beach away from the high tide line - on the first day of the installation



CHAPTER 6

Anchoring Open Water Installation

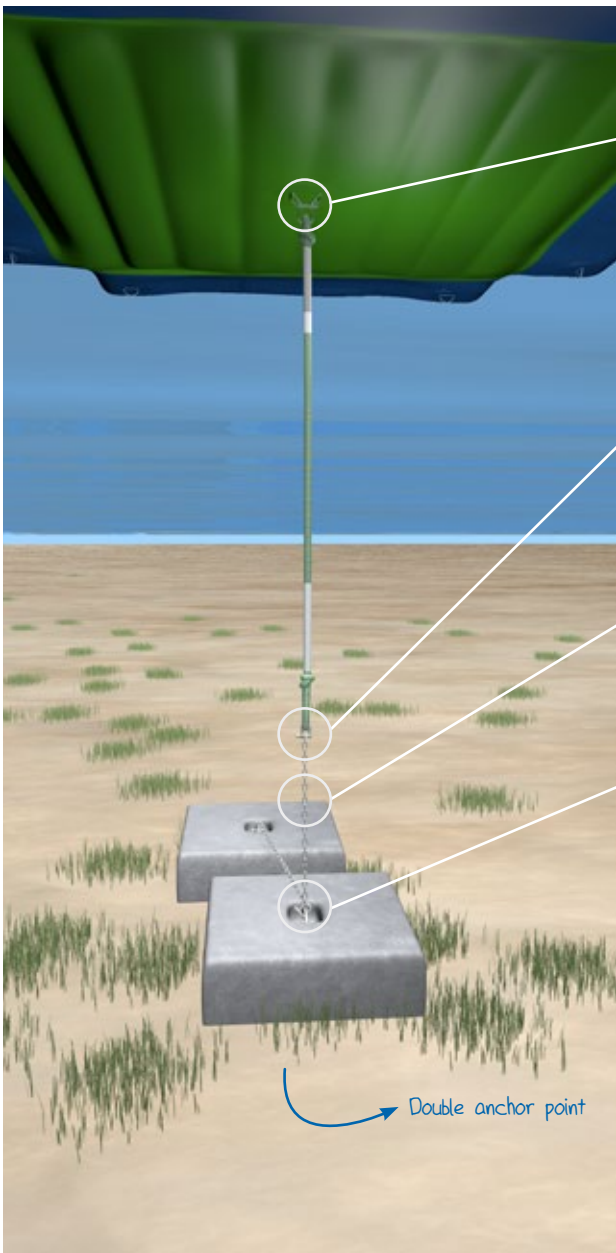
06

Anchoring Components and Equipment

After the anchors have been manufactured, the installation of the anchors takes place. The following list shows all needed components.

The chain length is to be calculated in dependence on the wave length.

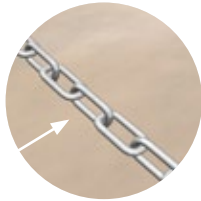
- Single anchor point: **chain length = water depth - bungee**
- Double anchor point: **chain length = water depth - bungee + 1m / 3'-3"**



Wibit bungee



Shackle
All shackles need to be controlled and tightened with pliers during the installation process.



Chain
Its recommended to use either stainless steel or hot galvanized long-link chain.



Anchor block



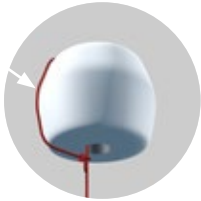
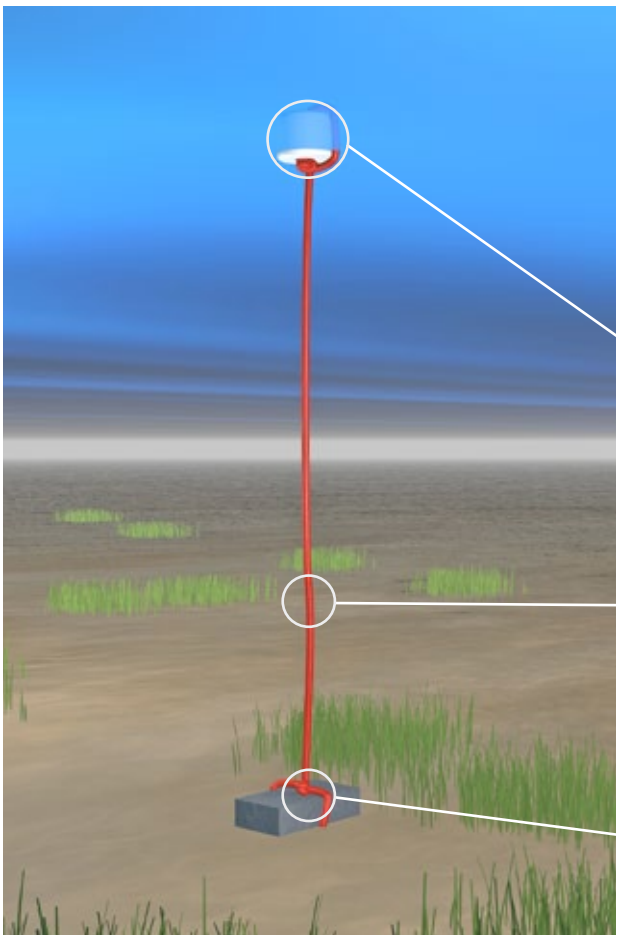
EVA Marker Buoys



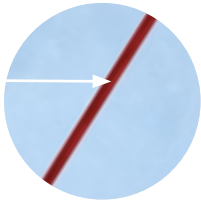
Yellow Marker Buoy

EVA Marker Buoy

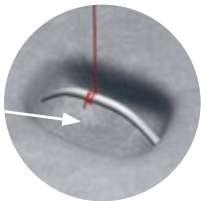
The white EVA marker buoys are used to mark the positioning anchors. They will allow you to locate your anchors from above the water.



EVA marker buoy



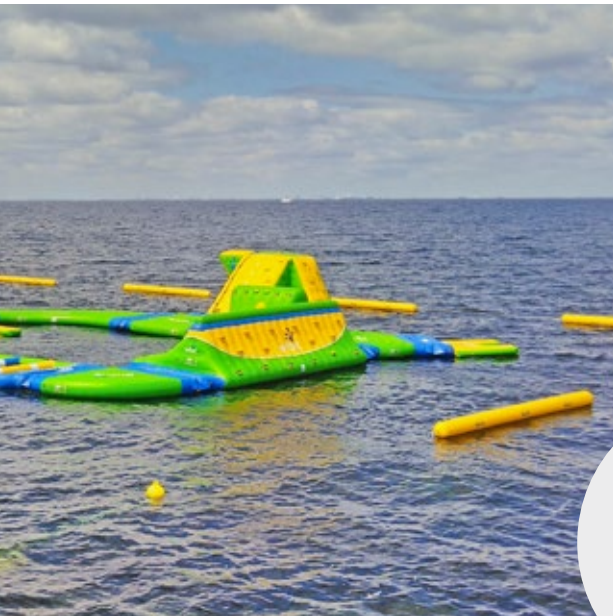
Red nylon cord



Anchor block

Plastic Marker Buoy

The yellow plastic marker buoys are used to position and stabilize the SafetyBuoys.

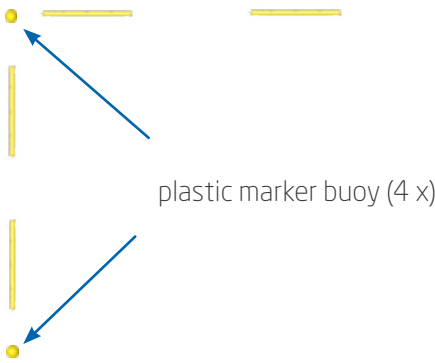


- Use plastic marker buoys on each corner of the perimeter to secure the SafetyBuoys in a straight line.
- Attach the plastic marker buoy to the corresponding anchor by using bungee, anchor rope and shackles.
- The SafetyBuoys can be attached to one another by using rope.

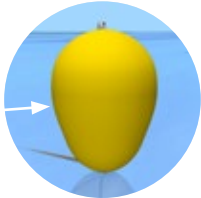
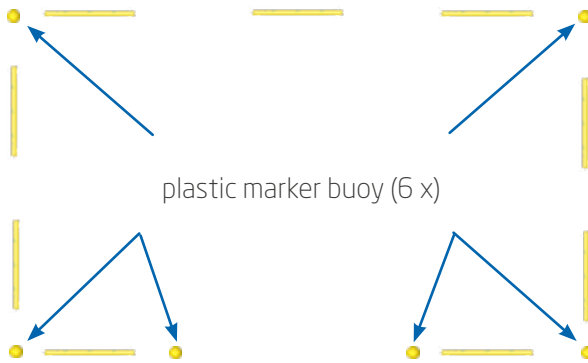


The amount of plastic marker buoys required for your SportsPark depends on how many corners and ends you would like to include. Use the following examples as guidelines:

Example 1



Example 2



Plastic marker buoy
Use one on each corner of the perimeter



Wibit Safety Buoy
Attached to each other with anchor rope



Plastic marker buoy connection



Bungee to anchor rope connection



Anchor rope to anchor block connection

Installation

There are several ways to bring the anchors to water. The following list shows different possibilities. Often the local fire brigade or the port officials also provides support.



Wheel loader



Barge



Digger



Truck

Place the anchors in a minimum water depth between 1,2 - 1,8m / 3'-11" - 5'-10".



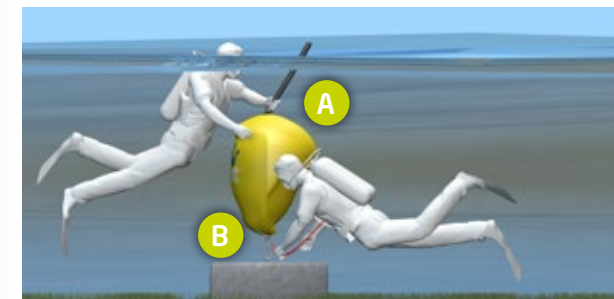
Set Up

Once the anchors are in the water they can be moved into the exact position. To move the anchors to the appropriate position, a lifting bag is needed.



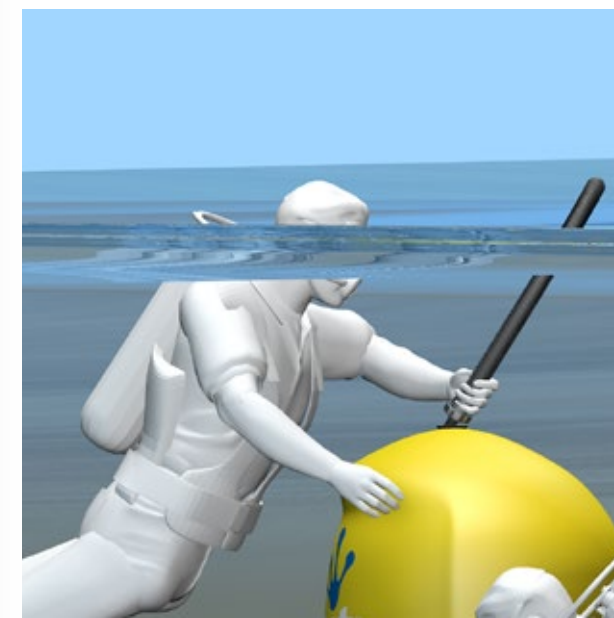
Instructions

- Detach the EVA marker buoy from the anchor
- Then connect the lifting bag to the anchor using a carabiner or shackle



Inflating of the lifting bag

- Depending on the conditions and water depth the lifting bag can be inflated either from the top (A) or from the bottom (B).



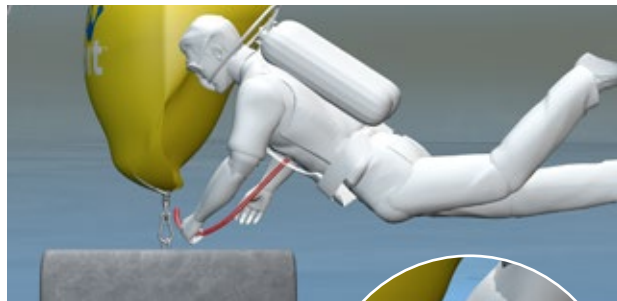
Option A - Inflation from the top

- The lifting bag can be inflated with the Wibit electric pump by connecting the hose to the valve on the top



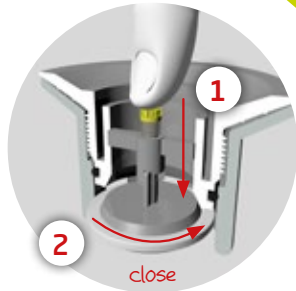
The distance between the water surface and the lifting bag should be max. 50cm / 1'-7".



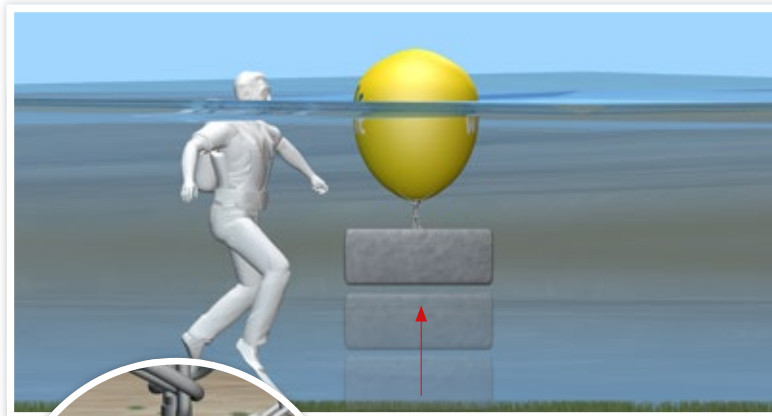


Option B - Inflation from the bottom

- A portable compressor can be used to inflate the lifting bag from the bottom.
- In this case, air can be filled into the lifting bag through the bottom opening using the tube from the compressor.



It is necessary to close the valve on top of the lifting bag when inflating by turning the yellow pin on the valve anti-clockwise.

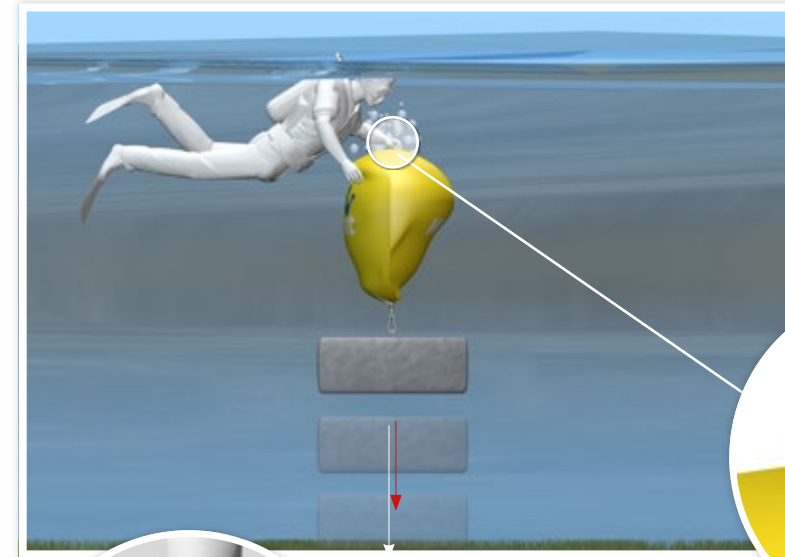


Bring anchor into position

- Once the lifting Bag is inflated the concrete anchor can be moved into position by the diver.

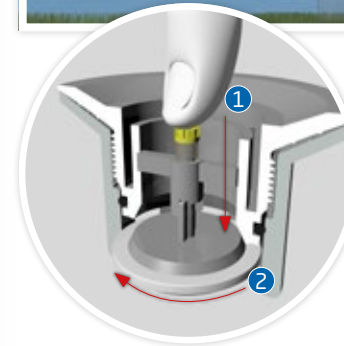
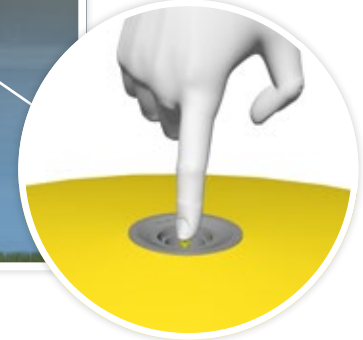


It is necessary to close the valve on top of the lifting bag when inflating by turning the yellow pin on the valve anti-clockwise.

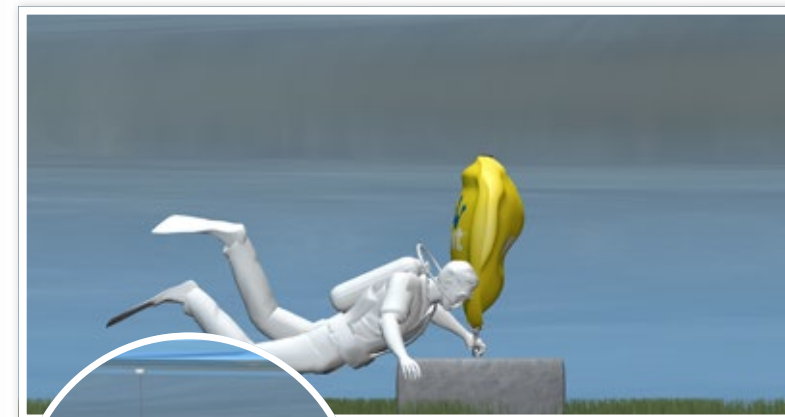


Release air from the lifting bag

- When the anchor has reached the correct position the valve on top of the lifting bag can be opened to release the air inside and allow the anchor block to sink to the sea floor.

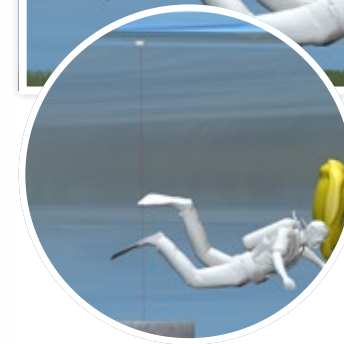


Open the valve to release the air inside the lifting bag.



Removing the lifting bag

- When the anchor has settled on the sea floor the diver can remove the lifting bag.

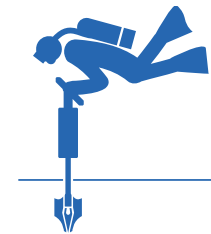


Attach EVA marker buoy again if it is a positioning anchor!

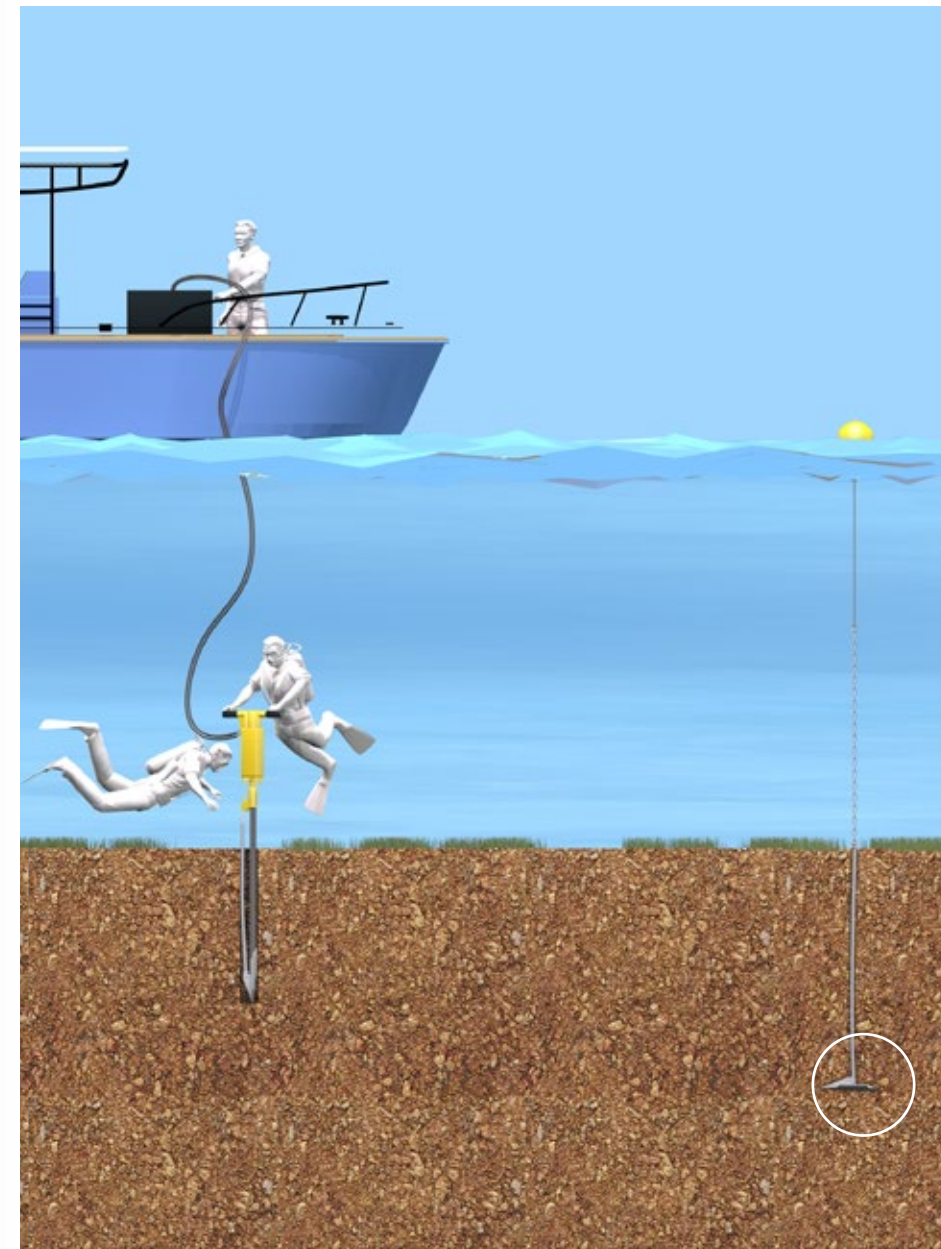


Earth anchors

In some countries there are regulations to use earth anchors. Check beforehand which provisions are present in your case.



The earth anchor is a unique, modern and versatile device that can be installed in most rock-free ground conditions. Earth anchors are a great alternative to traditional anchoring techniques (e.g. concrete blocks) and can be suitable for special areas of conservation (SACs).



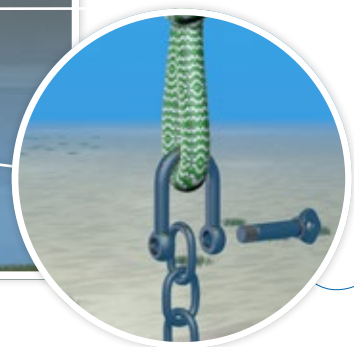
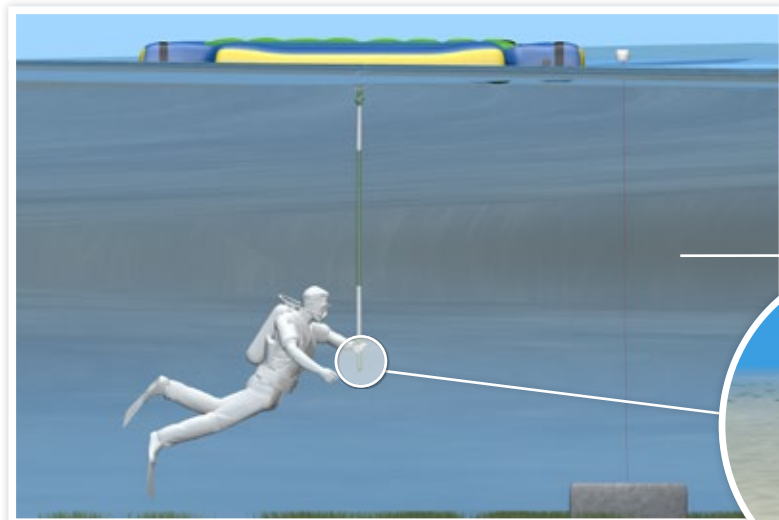
Environmental benefits

- Low environmental impact
- No contamination
- Minimal disturbance of the soil

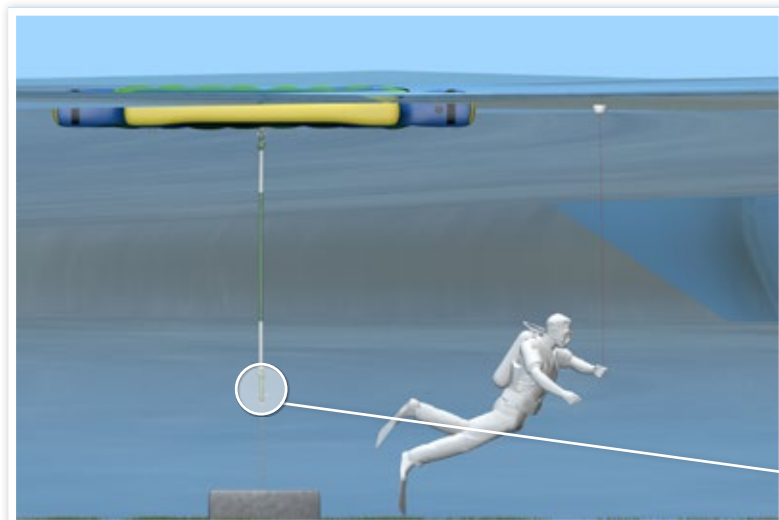


Product Positioning

Disconnect the nylon cord holding the EVA marker buoy. Attach the product bungee to the anchor chain using chain and shackle.



connect bungee with anchor chain by using the shackle



- If the bungee is not pre-attached you can connect the bungee to the anchor plate underneath the product using a shackle before bringing the product to the water



Remaining anchors: Once all products are in position, proceed with bringing the remaining anchors into position and connect them to the products.





CHAPTER 7

De-Installation

07

De-Installation Manual

The entire SportsPark should be removed from the water at least once a year for intensive cleaning (even if regular cleaning is performed during the season). For locations that are closed during winter time, annual cleaning should be carried out before winter storage. The removal, cleaning and (eventually) storage of the SportsPark should be carried out as follows:



Write big numbers on your marking buoys using a suitable waterproof paint or engraved number plates made from plastic or stainless steel.

Prepare the location & make a plan

- Ensure you have enough staff available. It is always an advantage to have someone involved who has experience in removal, cleaning and packing up the products which makes it all go a lot faster.
- Before removing the products from the water, prepare the area where you will be cleaning and drying the products with a big enough tarp to protect them from sharp objects on the ground, and to keep the products clean and free of sand when left to dry.
- All anchor points should be marked, especially in low visibility and / or deep waters. For best results when re-installing in the new season anchors should be marked individually using one buoy per anchor. It is possible to connect all anchors to each other by chain or rope and then mark the chain or rope on just a few places with buoys, but this makes the re-installation of the park next year more complicated.
- The easiest way is to make a plan and give each anchor point a number. The numbers should then be marked on the corresponding buoys which will be attached directly to the bungee underneath the products. It is best if the buoys already have rope attached with a carabiner for quick connection and are numbered in such a way that the numbers don't come off during the off-season.

Bring the products to the beach

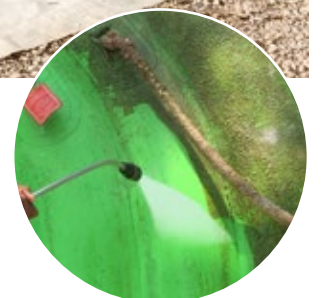
- It is recommended to start early in the morning, removing product after product. This will take a well organized team around 1 - 2 hours.
- The team in the water attaches the numbered buoys to the bungees directly underneath the products, meaning there is no need for anyone to dive down to deeper depths. Once the buoy is attached, the shackle which connects the product with the bungee can then be removed leaving the bungee attached to the floating buoy.
- Remove the blue connector straps from both sides of the product, it can now be taken out of the water. Rope can be attached to the product or multiple products and pulled to the beach either by hand or by boat to make it easier.



Make sure enough people are there to help carry the heavier products to avoid dragging and damaging the products.

Clean, dry and fold the products

- Once on the beach it is best to have 3 separate working areas for the de-installation, with each area having a large tarp to work on.
- The first area should be set up for the cleaning of the products. The second area should be used for drying the products and must be sand free. The third area should be completely dry and free from dirt or sand, only to be used to deflate and fold the products before they are placed in the transport bags.
- Leave the products inflated during the entire cleaning process.
- Check that the valves are clean and not damaged.
- For your product cleaning, we recommend an HD high-pressure cleaner with an adjustable pressure from 0 to 300 BAR. It is important that you use a rotating nozzle so that the dirt on the products can be easily removed. Note: The stronger the pressure washer, the farther away from the product you should start. Ensure that the fresh water supply has adequate pressure.





- In case of strong pollution use the Wibit PVC cleaner and spray the bottom of the products. Allow a few minutes for it to work in to the dirt, all the time making sure the surface does not dry off. If the dirt is very stubborn then apply the undiluted PVC cleaner to the area and leave to react.
- The Wibit cleaning sponge can be used to loosen the dirt by working in a circular motion, always making sure that the cleaner does not dry on the surface of the product. Rinse thoroughly with fresh water using the pressure washer to remove the remaining dirt. Turn the products over so they are right side up and wash the top part with water. Afterwards, they are moved to the second area to dry in the sun.
- Make sure that all accessories (velcros, safety flaps, safety pads, etc.) are removed and cleaned thoroughly.
- After using the Wibit PVC cleaner, it is recommended to use the diluted Wibit PVC care & protection to neutralize the cleaner and to conserve the treated surface.
- The Wibit pumps are used to deflate the products. If there is a risk that water is inside any product, then a vacuum cleaner designed for cleaning up water is required. To deflate products with water inside we recommend to use a water-filtered vacuum cleaner so that the electric pump does not suck any water inside it, and get damaged. You may attach a hose from a Wibit electric pump to the vacuum cleaner.



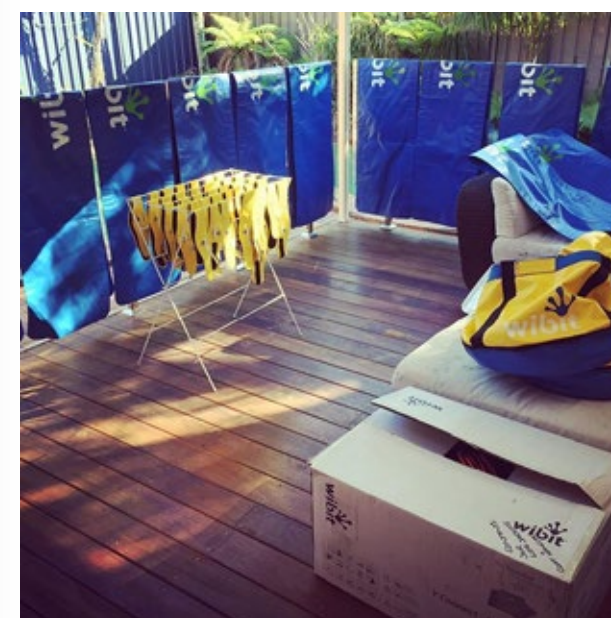
Make sure to wear protection clothing (safety gloves, mouth protection and safety glasses) before you start cleaning the products.

Dry and store the products

- In order to prevent mould from growing during storage time, the products should be left to dry completely. Hence it is better to remove the SportsPark when it is sunny. Once the products have dried completely from all sides you can begin to deflate them with the Wibit electric pumps.
- Once completely deflated the products can be folded according to the folding manual and placed in their transport bag.



Keep all of your Wibit accessories (i. e. bungees, connector straps, pumps, repair kits, product manuals etc.) in a separate storage box.



- Store the products out of direct sunlight and protected from the environment in a clean, cool and dry place away from any rodents.
- Never store the products in a damp location or directly on concrete.
- Never store the products at temperatures below 5 C° / 40 F° or in an area with broad temperature fluctuations.



You may want to place moth balls or a mouse trap in your storage room if needed.

**Get in touch!**

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