CanDOCK Modular floating systems
Systèmes modulaires flottants

-OWNER'S MANUAL-

Every customer purchasing a Candock product from Candock Inc. or one of its duly authorized representatives and distributors should activate the Manufacturer's warranty of its product(s) via Candock's online warranty activation system.

Online warranty activation : http://candock.com/about-us/support-and-warranty/register-product/

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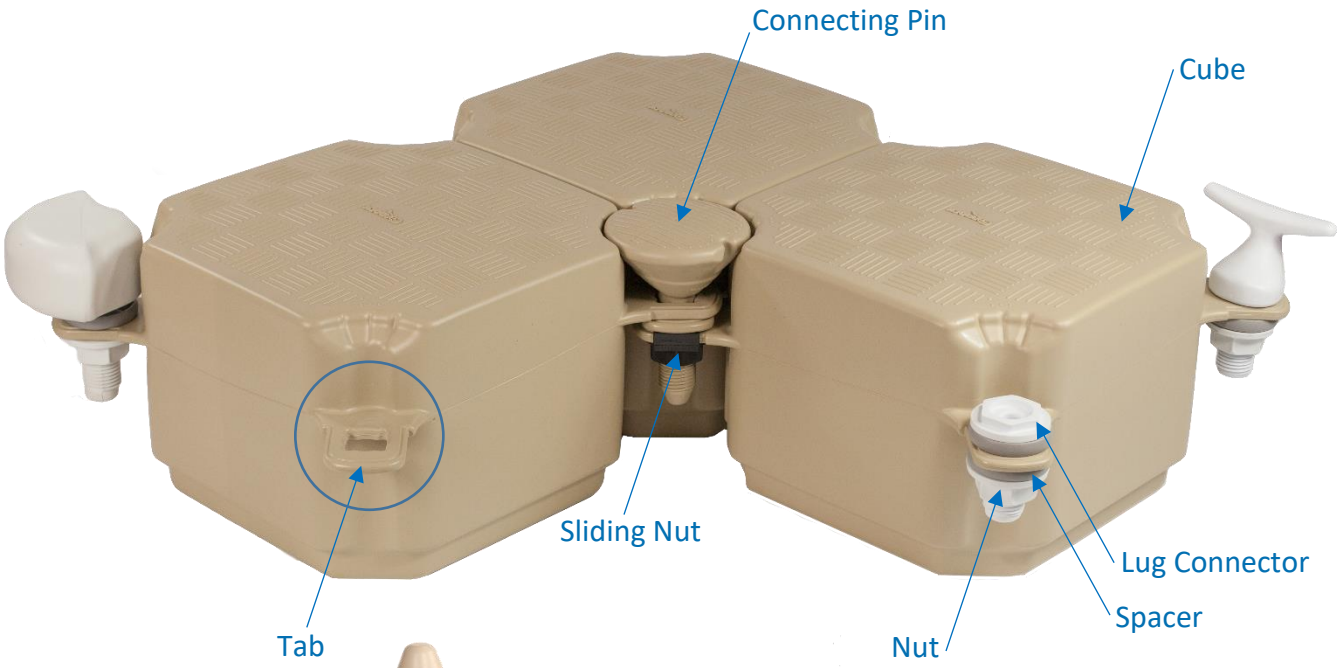
⊙ BASIC PRODUCTS

HOW CANDOCK WORKS

Before starting, here are some basic principles about the Candock Modular floating system that will apply throughout the instruction literature that follows. Indeed, our system relies on a simple yet proven coupling system to attach all its components together.

Generally speaking, all Candock parts are secured together using a “Nut and Bolt/Screw” system. Depending on the specification, geometries, application and options required for your project, the below principles and concepts will be applying in different forms. The coupling hardware may vary depending on the location of the assembly point. Usually, the CONNECTING PIN and SLIDING NUT are used for coupling modules inside the perimeter of the System. On the other hand, the LUG CONNECTOR and NUT are used for coupling modules on the outskirt of the system.




Connecting Pin


Sliding Nut


Lug Connector


Nut

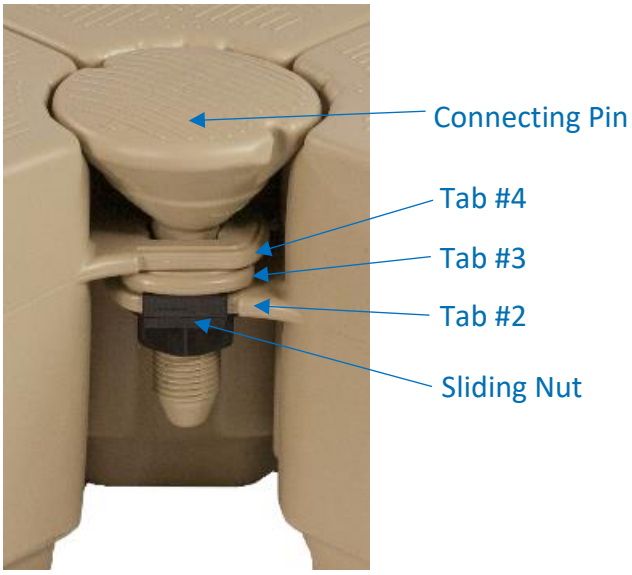

Spacer

LAYERS AND TABS

The “Nut and Bolt/Screw” coupling system implies that every tab that is to be coupled at a designated coupling point must be overlapped adequately in order for the system to work. The below images and diagrams are demonstrating which “layer” each tab of our different modules is using.

Generally, the lowest tab available in a designated assembly point will hold the SLIDING NUT. The superimposed layers are to be occupied by additional tabs; higher tabs of the surrounding components (cubes). If a gap (missing tab) is present as you overlap the tabs, the void is to be filled by a SPACER until you have reached the highest available tab in your assembly.

In the below image, layer #2, #3 and #4 are occupied by tabs 2, 3 and 4. On the lowest tab available in the assembly*, a SLIDING NUT is inserted on the tab to allow for the CONNECTING PIN’s “male” threads to have traction in the “female” threads of the SLIDING NUT.



*Layer 1 (tab #1) is indeed missing in the featured assembly in order to allow for a good viewpoint of the assembly.

TAB POSITIONS

The basic components of the Candock system are using **8 different layers** (tabs). Starting form the lowest tab, the sequence is as follow: -1, 0, 1, 2, 3, 4, 5 and 6. The regular CUBE uses tabs #1, #2, #3 and #4. The other components (CORNER CUBE and EDGE CUBES) are using tabs #-1, #0, #5 and #6. The below diagram will be reused throughout our literature in order to explain which layers (tabs) are utilized by each product/module of our system.

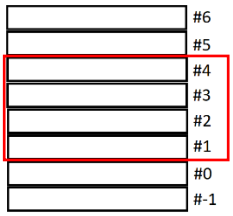


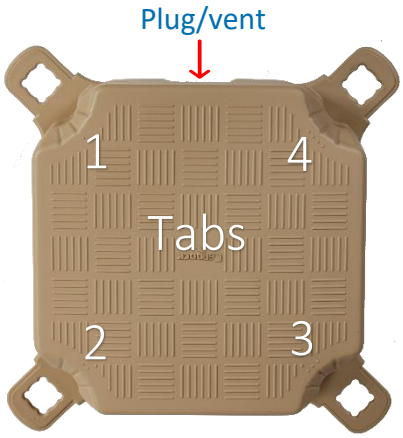
Diagram demonstrating which tabs are used.

In this case, the featured product/module utilizes tabs #1, #2, #3 and #4.

CUBES (REGULAR AND LOW PROFILE)

Regular

Low-profile

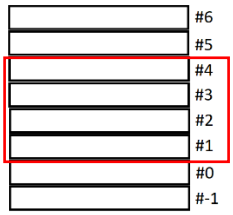


USEFUL LINKS AND RESOURCES:

YouTube

Website

TAB POSITIONS



SPECIFICATIONS

Material/Composition: High-density polyethylene resin
Available colors: Beige, Gray and Blue*
Surface: Anti-skid
Dimensions: L x W: 48 cm (19") x 48 cm (19") H: 36 cm (14")
Dimensions (low profile cube): L x W: 48 cm (19") x 48 cm (19") H: 23 cm (9")
Floating capacity Regular cube: 68 kg (150 lbs.) per cube or 272 kg per sq. m. (60 lbs. per sq. ft.)
Floating capacity Low profile cube: 50 kg (110 lbs.) per cube or 210 kg per sq. m. (44 lbs. per sq. ft.)
Weight: Cube: 5.5 kg (12 lbs.) / Low profile cube: 5 kg (11 lbs.)
Needed tools: G2 key for pin, Key for nut

*Blue color availability is not guaranteed. Contact your local distributor for more information.

SKU NUMBERS

G2 CUBE BEIGE: A0002
G2 CUBE GRAY: A0001
G2 CUBE BLUE: A0003
LOW PROFILE G2 CUBE BEIGE: A0011
LOW PROFILE G2 CUBE GRAY: A0012

TERMINOLOGY

TABS: Prominent grooved parts of the cube, which are located at different heights on each of the 4 corners of the "cube" (tab #1 to #4, #1 being the lowest and #4, the highest). These tabs are an integral part of the Candock system. When rallied in groups of 4, the cubes create a larger square. At the center of this square, 4 different tabs overlap each other. These tabs form a single opening and are meant to be coupled with our SLIDING NUT and CONNCETING PIN to form a unique structure.

PLUGS: These watertight plugs are always found on the side of the cube that is between tab # 1 and # 4. These plugs, made of breathable material, act as pressure release valves thus preventing any cube deformation which is due to temperature changes and pressure variations. Furthermore, these plugs prevent any condensation inside the cube.

ASSEMBLY PROCEDURE

PRIOR TO INSTALLATION

1-During the installation of a dock, always have the plugs oriented towards the shore. This orientation will simply use less SPACERS and will improve the aesthetic of your dock. If your configuration is meant to go along the shoreline instead of offshore (parallel to shore as opposed to perpendicular), align plugs towards the shortest side of your dock.

2-Always make sure to regroup 4 different tabs height to complete your assembly. Make sure they are in their pre-destined position and that none of these are wrongfully overlapping each other.

3-Preassemble the dock in larger sections directly on the ground. When in water, prepare the missing units of CONNECTING PINS and SLIDING NUTS and position on the corresponding side of each section. This will help you save time.

PROCEDURE:

1- Prepare all items and have them unboxed close to your “assembly” area (cubes, connecting pins, sliding nuts, spacers and tools)

2- Insert a SLIDING NUT on the lowest tab available at each connecting point.

3- Position the sections next to each other and ensure that the tabs are overlapping correctly.

4- Insert the CONNECTING PINS in the tabs as you progress and manually engage the threads.

5-Once the sequence of cubes is connected, complete assembly by firmly tightening the CONNECTIN PINS.

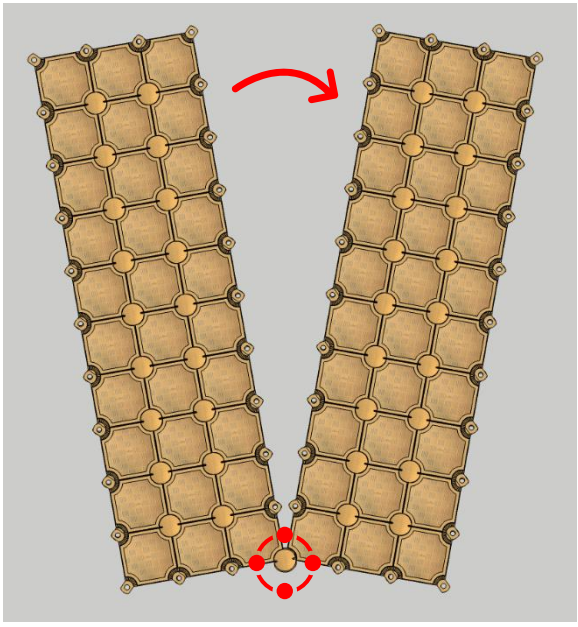
6- Add LUG CONNECTORS and NUT assemblies on the entire perimeter of your dock. If necessary, do not forget to fill the empty layers in-between the tabs with SPACERS.

TRICKS AND TIPS: THE SCISSOR TECHNIQUE

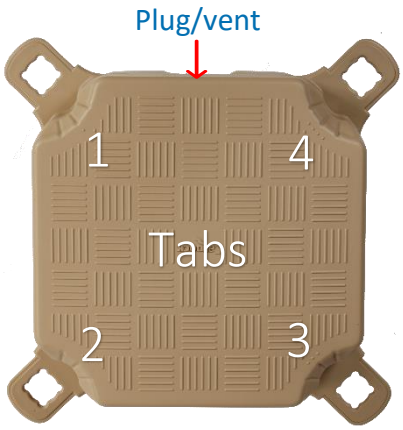
While assembling bigger sections on water, proceed with the following steps:

1-Insert SLIDING NUTS at each coupling point.
2-Insert a CONNECTING PIN as shown on the diagram
3-Bring the two sections side by side while correctly overlapping each tab.
4- Insert CONNECTING PINS at each coupling point and tighten firmly.

This technique will help you assemble big sections with ease.



ROWING CUBE

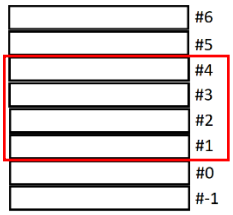


USEFUL LINKS AND RESOURCES:

Website

Brochure

TAB POSITIONS



SPECIFICATIONS

Material/Composition: High-density polyethylene resin
Available colors: Beige and Gray
Surface: Anti-skid
Dimensions: L x W: 48 cm (19”) x 48 cm (19”) H: 23 cm (9”)
Freeboard: 17cm (7’’) under dead load / 5cm (2.5’’) under live load of 100kg/sq. meter (20.35lbs/sq. feet)
Weight: Cube: 5 kg (11 lbs.)
Needed tools: G2 key for pin, Key for nut

SKU NUMBERS

G2 ROWING CUBE BEIGE: A0026
G2 ROWING CUBE GRAY: A0027

TERMINOLOGY

Please refer to the G2 CUBES (REGULAR AND LOW PROFILE) terminology for the basic terms.

STABILITY ENHANCING CAVITY (SEC): A studied, and engineered cavity placed under our low-profile cube that enhances stability and optimizes free-board height for high level rowing sports application.

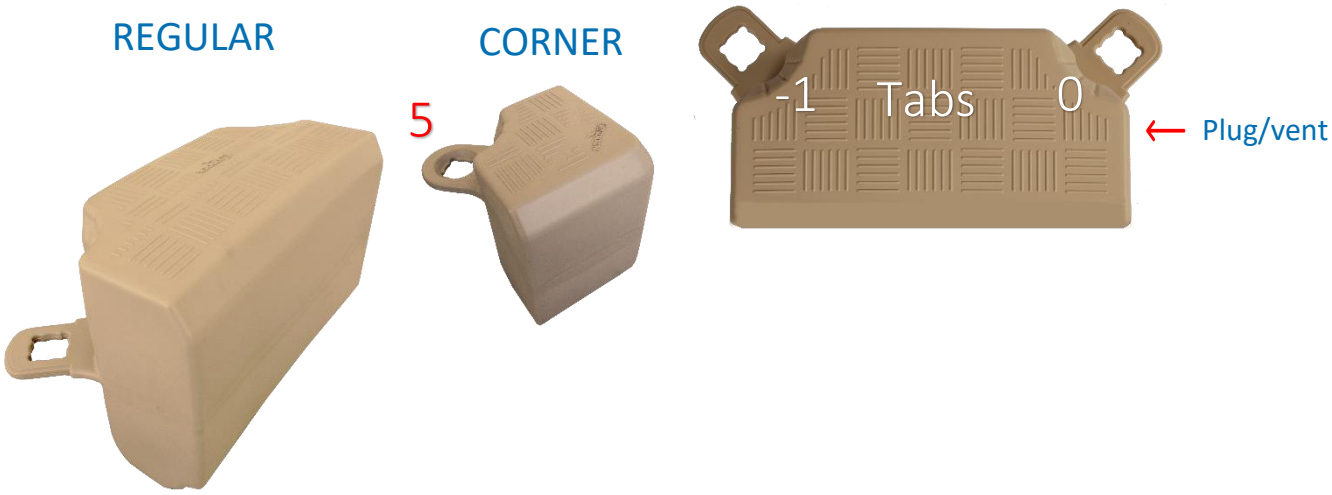
ASSEMBLY PROCEDURE

Please refer to the G2 CUBES (REGULAR AND LOW PROFILE) assembly procedure.

SEPCIAL NOTICE

When using the G2 ROWING CUBE for high level competitive events, a stiffening beam system is to be added to the launch docks in order to maintain optimal stability and buoyancy when multiple rowers are launching their skulls. Please refer to the ***2020 CANDOCK ROWING series brochure*** and your Candock representative for precise configuration guidelines and costs.

EDGE CUBES (REGULAR AND CORNER)

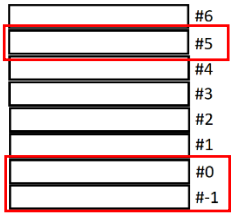


USEFUL LINKS AND RESOURCES:

Website

YouTube

TAB POSITIONS



SPECIFICATIONS

Material/Composition: High-density polyethylene resin
Available colors: Beige and Gray
Surface: Anti-skid
Dimensions: Regular: L x W: 48 cm (19”) x 24 cm ($9^{1/2}$”) H: 23 cm (14”)/ Corner: L x W: 24 cm ($9^{1/2}$”) x 24 cm ($9^{1/2}$”) H: 29 cm (11”)
Floating capacity: Regular 30 kg (66 lbs.) per cube
Weight: Cube: 4 kg (9 lbs.)
Needed tools: G2 key for pin

SKU NUMBERS

EDGE CUBE BEIGE: A0028
EDGE CUBE GRAY: A0029
CORNER EDGE CUBE BEIGE: A0043
CORNER EDGE CUBE GRAY: A0044

TERMINOLOGY

EDGE CUBE: Still using our regular “nut and pin” system on tabs, which are now located at different heights on 2 of the corners of Candock’s EDGE CUBE, are still an integral part of the Candock system. When added to the perimeter of our regular CUBES, the EDGE CUBES create a smoother and more aesthetic finish while eliminating any prominent pieces on the outskirt of your dock. The EDGE CUBE tabs are located at a lower position than the regular G2 cube’s tabs (#1 to #4). Representing layers “negative 1” and “zero” (-1 being the lowest and -zero (“0”) being just above), these will always be positioned underneath the regular CUBE’S tabs.

CORNER EDGE CUBE: Again, using our regular “nut and pin” system on a single tab, which is located on one corner of the CORNER EDGE CUBE. When added to the perimeter of our regular CUBES, the CORNER EDGE CUBE creates a smoother and more aesthetic finish on the outskirt corners of your dock while eliminating the prominent part sticking out of the structure (G2 cube tab). The CORNER EDGE CUBE tab is tab #5, which is the same one as the 2 lower tabs of the CORNER CUBE.

ASSEMBLY PROCEDURE

IMPORTANT NOTIONS

-Any tab layer that presents no tab must be replaced by a SPACER, starting from the lowest tab available going upwards.

-A SLIDING NUT is required on the lowest tab available (either “0” or “-1”).

-Make sure you work on dry land on a flat and uniform surface. Installing EDGE CUBES in the water is possible, but the task is harder and requires a minimum of 2 persons to proceed.

SEQUENCE

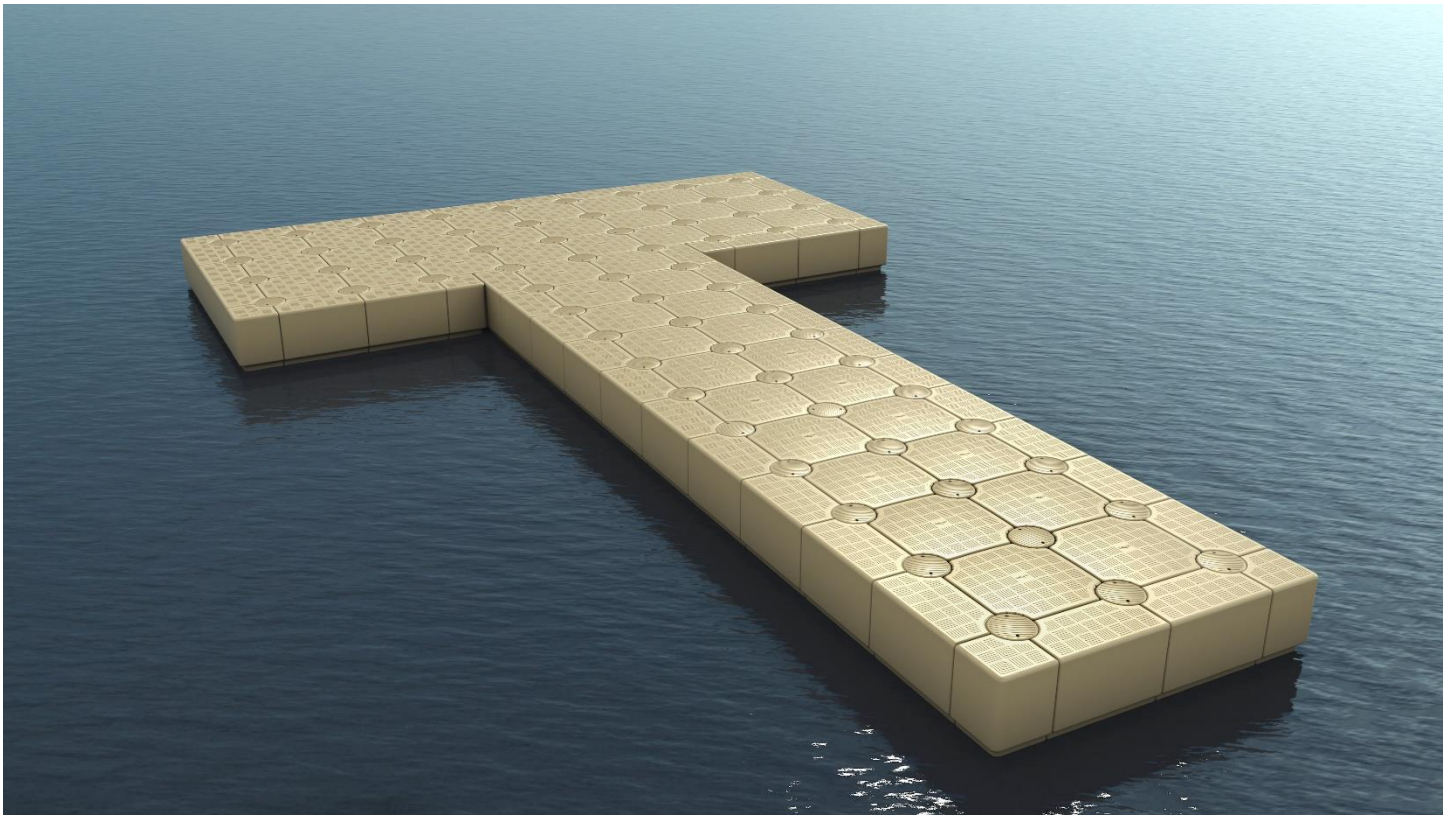
1- Prepare all items and have them unboxed close to your “assembly” area (cubes, connecting pins, sliding nuts, spacers and tools)

2- Insert a SLIDING NUT on the lowest tabs available at each connecting point.

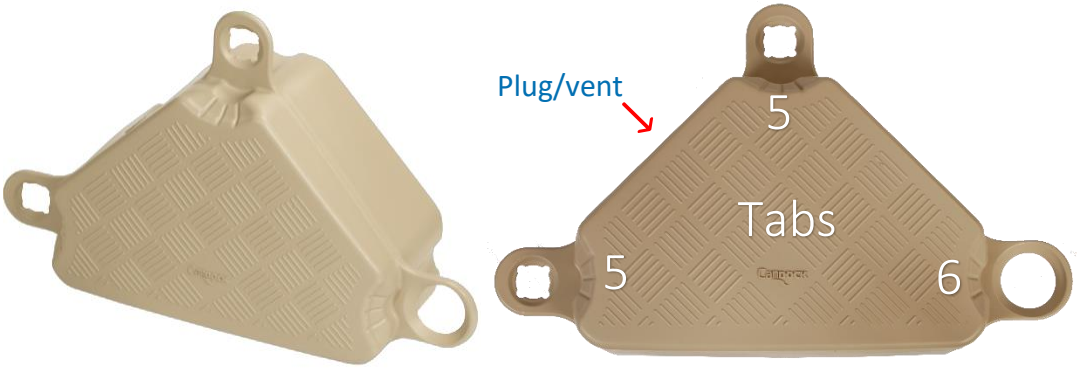
3- Position the sections next to each other; alongside the regular G2 CUBES assembly and make sure that the tabs are overlapping adequately.

4- Insert the CONNECTING PINS in the tabs as you progress and manually engage the threads.

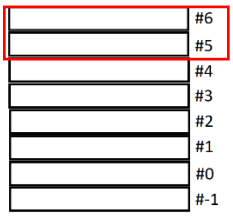
5-Once the sequence of cubes is connected, complete assembly by firmly tightening the CONNECTIN PINS.



CORNER CUBE



TAB POSITIONS



SPECIFICATIONS

Material/Composition: High-density polyethylene resin
Available colors: Beige and Gray
Surface: Anti-skid
Dimensions: L x W: 48 cm (19") x 48 cm (19") ÷ 2 H: 23 cm (9")
Weight: Cube: 4 kg (9 lbs.)
Needed tools: G2 key for pin, Key for nut

SKU NUMBERS

G2 CONRER CUBE BEIGE: A0024
G2 CORNER CUBE GRAY: A0025

TERMINOLOGY

TABS: Prominent grooved parts of the cube, which are located at 2 different heights on each of the 3 corners of the CORNER CUBE (tabs 5 and 6). Two of those tabs are identical; namely tab #5. The 3rd one, being slightly higher (tab #6); features a bigger and beveled opening to accommodate the conical shape of the CONNECTING PIN'S neck. These tabs are also an integral part of the Candock assembly system. Utilising layer 5 and 6, the CORNER CUBE can be installed anywhere around a Candock dock without interfering with the tabs of the regular CUBES (1, 2, 3 and 4).

ASSEMBLY PROCEDURE

IMPORTANT NOTIONS

-Any tab/layer that presents no tab must be replaced by a SPACER, starting from the lowest tab available, going upwards.

INTERIOR CORNER CONFIGURATION: SLIDING NUTS and CONNECTING PINS are required at each connecting point.

EXTERIOR CORNER CONFIGURATION: (1x) SLIDING NUT and (1x) CONNECTING PIN is required for the "inside connecting point. (2x) LUG CONNECTOR and (2x) NUTS are required for the 2"outside" connecting points.

SEQUENCE

1- Prepare all items and have them unboxed close to your "assembly" area (corner cubes, connecting pins, sliding nuts, lug connectors, white nuts, spacers and tools)

2- Insert a SLIDING NUT on the lowest tabs available at each connecting point.

3- Position the CONER CUBE alongside the regular G2 CUBES assembly and make sure that the tabs are overlapping adequately.

4- Insert the CONNECTING PINS in the “inside” openings as you progress and manually engage the threads.

5-Insert all needed SPACERS on the “outside” connecting points.

5- Insert the LUG CONNECTORS on the “outside” tabs as you progress.

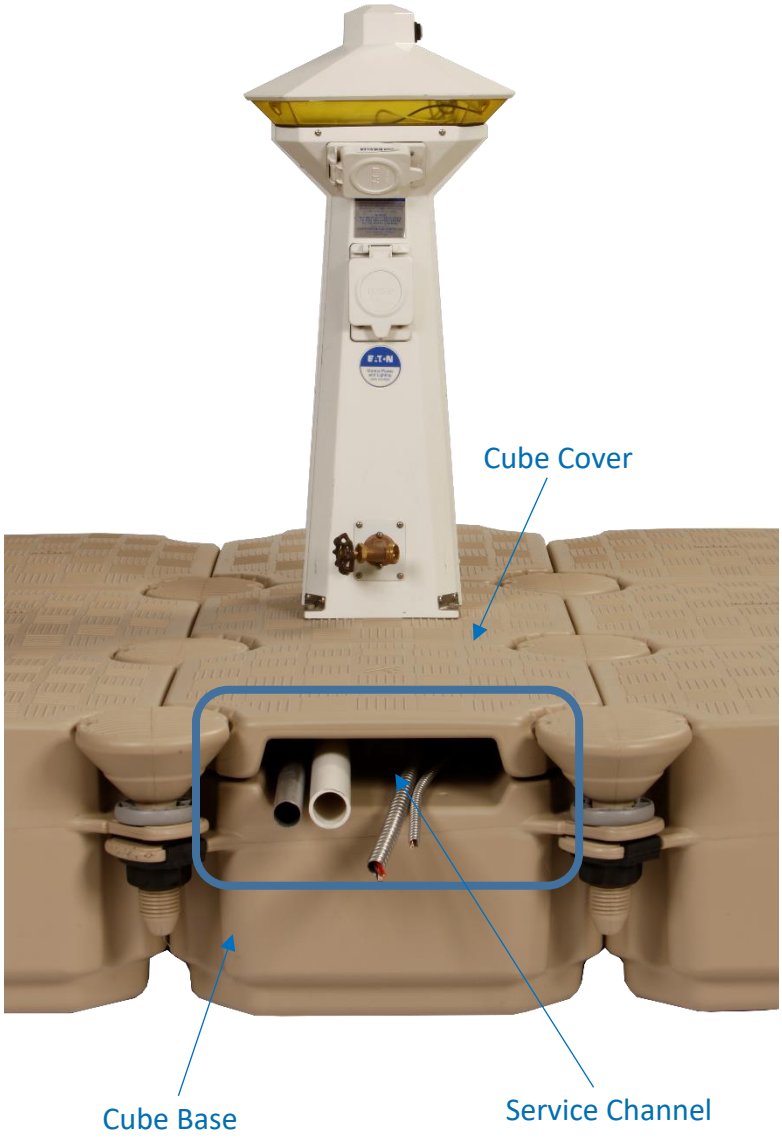
6-Manually engage the NUTS on the LUG CONNECTORS as you progress.

7-Once the sequence of cubes are connected, complete assembly by firmly tightening the CONNECTIN PINS and LUG CONNECTOR/NUTS assemblies.

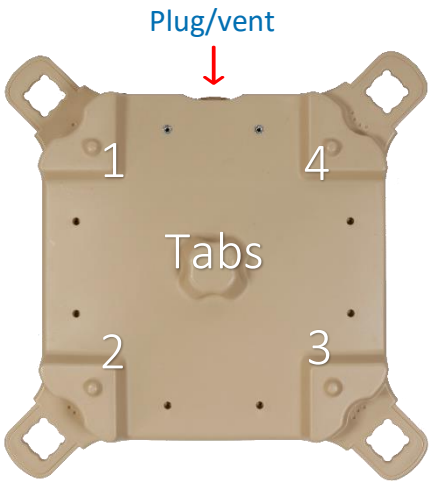
CANDOCK SERVICE CHANNEL

Before starting, here are some basic principles about the Candock service channel system. The service channel system abides to the same assembly concepts as our regular floating dock system while allowing for a multitude of advantages. Consisted of a “2-piece” cube, namely the SERVICE CUBE BASE and the SERVICE CUBE COVER, the assembly of multiple units of the above allow for marina services channels and outlets (freshwater outlets and electrical services) as well as our unique LED light system to be seamlessly integrated to our modular floating dock system.

As it is the case with our regular system, all Candock parts are secured together using a “Nut and Bolt/Screw” system. Depending on the specification, geometries, application and options required for your project, the same principles explained earlier will apply. The coupling hardware may vary depending on the location of the assembly point. Usually, the CONNECTING PIN and SLIDING NUT are used for coupling modules inside the perimeter of the System. On the other hand, the LUG CONNECTOR and NUT are used for coupling modules on the outskirt of the system.



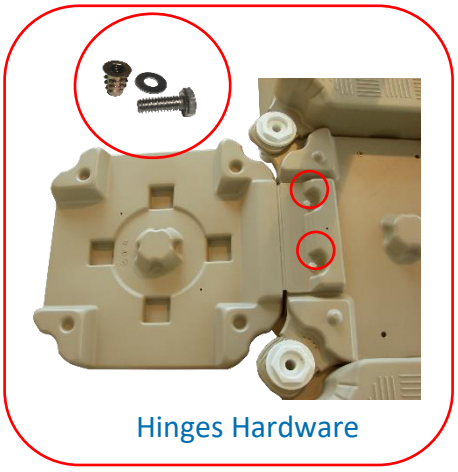
SERVICES CUBE BASE



COVER OPTIONS

Regular

Hinged*

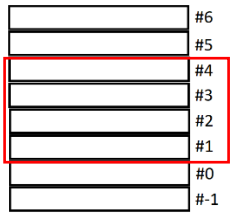


Hinges Hardware

USEFUL LINKS AND RESOURCES:

Website

TAB POSITIONS



SPECIFICATIONS

Material/Composition: High-density polyethylene resin
Available colors cube base: Beige and Gray
Available colors cube cover: Beige, Gray and translucent (**LED Light System**)
Surface: Anti-skid
Dimensions cube base: L x W: 48 cm (19") x 48 cm (19") H: 26.6 cm (10 ½")
Weight cube base: Cube: 5 kg (11 lbs.)
Dimensions cube cover: L x W: 48 cm (19") x 48 cm (19'') H: 7.4 cm (2.9")
Weight cube cover: Cube: 1.65 kg (3.64lbs.)
Needed tools: G2 key for pin, Key for nut and ratchet tool kit (Hinged cover)

SKU NUMBERS

G2 SERVICE CUBE BASE BEIGE: A0014
G2 SERVICE CUBE BASE GRAY: A0015
REGULAR SERVICE COVER BEIGE: A0016
REGULAR SERVICE COVER GRAY: A0017
REGULAR SERVICE COVER TRANSLUCENT: A0018
HINGED SERVICE COVER BEIGE: A0019
HINGED SERVICE COVER BEIGE: A0020
HINGED SERVICE COVER BEIGE: A0021

TERMINOLOGY

TABS: Prominent grooved parts of the cube, which are located at different heights on each of the 4 corners of the "cube" (tab #1 to #4, #1 being the lowest and #4, the highest). These tabs are an integral part of the Candock system. When rallied in groups of 4, the cubes create a larger square. At the center of this square, 4 different tabs overlap each other. These tabs form a single opening and are meant to be coupled with our SLIDING NUT and CONNCETING PIN to form a unique structure.

PLUGS: These watertight plugs are always found on the side of the cube that is between tab # 1 and # 4. These same plugs, made of breathable material, act as pressure release valves thus preventing any cube deformation which is due to temperature or altitude. Furthermore, these plugs prevent any condensation inside the cube.

REGULAR COVER vs HINGED COVER

The main difference between the 2 cover options is explained as follow:

The REGULAR cover must be surrounded by other cubes (REGULAR CUBES, SERVICE CUBES, CORNER CUBES OR EDGE CUBES) on all 4 sides. The 4 surrounding connecting pins, especially their "slanted necks" are compressing the cover onto the cube's base and thus, making it strong and sturdy assembly.

The HINGED cover, on the other hand, disposes of an "hinged" side, which allows it to be positioned on the outskirts of a Candock system whilst making sure the exposed side (outside edge) is firmly secured onto the cube's base. The cover can be positioned onto the base in all possible orientations.

ASSEMBLY PROCEDURE

PRIOR TO INSTALLATION

1-During the installation of a dock, always have the plugs oriented towards the shore. This orientation will simply use less SPACERS and will improve the aesthetic of your dock. If your configuration is meant to go along the shoreline instead of offshore (parallel to shore as opposed to perpendicular), align plugs towards the shortest side of your dock.

2-Always make sure to regroup 4 different tabs height to complete your assembly. Make sure they are in their pre-destined position and that none of these are wrongfully overlapping each other.

3-Preassemble the dock in larger sections directly on the ground. When in water, prepare the missing units of CONNECTING PINS and SLIDING NUTS and position on the corresponding side of each section. This will help you save time.

NOTES:

-As the SERVICE CUBE is composed of 2 parts (base and cover), the idea of including the covers or not in your pre-assemblies (I.E “6-pack” of cubes) may, or may not, be a good one. Indeed, depending on the application, the geometries and the environment you are working in, a working method will be determined. Simply contact your local Distributor or Candock’s head offices for more information and insight in this regard.

For the sake of the below procedure, we will include the covers onto the cube bases in our assemblies.

PROCEDURE:

1- Prepare all items and have them unboxed close to your “assembly” area (cube bases, cube covers, connecting pins, sliding nuts, spacers and tools)

2- Insert a SLIDING NUT on the lowest tab available at each connecting point.

3- Position the sections next to each other and ensure that the tabs are overlapping correctly.

4- Position de covers (REGULAR or HINGED, depending on location of the cube in the layout) onto the cube’s bases.

4.1- If using the HINGED covers, start by screwing the (2x) inserts (included in the hardware pack) onto the cube’s base. Mae sure you predetermine the side onto which the HINGED cover will be secured. After the inserts are in, you can secure the cover onto the base using the (2x) hexagonal nuts and washers.

5- Insert the CONNECTING PINS in the tabs as you progress and manually engage the threads.

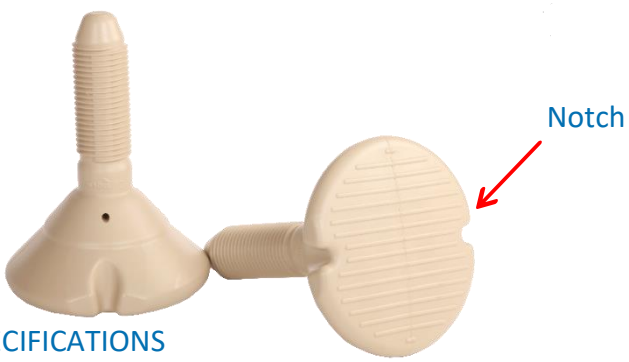
6- Once the sequence of cubes is connected, complete assembly by firmly tightening the CONNECTIN PINS.

7- Add LUG CONNECTORS and NUT assemblies on the entire perimeter of your dock. If necessary, do not forget to fill the empty layers in-between the tabs with SPACERS.

SERVICES CONDUITS (WATER AND ELECTRICITY) – POWER PEDESTALS – LED LIGHT SYSTEM

The final step of routing electrical cables, water pipes or our LED light system can be done at different stages of your assembly. Again, depending on the application, the geometries and the environment you are working in, a working method will be determined. Simply contact your local Distributor or Candock’s head offices for more information and insight in this regard.

CONNECTING PIN



SPECIFICATIONS

Material/Composition: High-density polyethylene resin
Available colors: Beige, Gray and Blue*
Surface: Anti-skid
Dimensions: L : 24 cm (9.6”) x W: 17.2 cm (6.88”) / Shaft diameter : 4.547 cm (1.819”)
Wall thickness: .0750 cm (0.300”)
Needed tools: G2 key for pin
*Blue color availability is not guaranteed. Contact your local distributor for more information.

SKU NUMBERS

G2 CONNECTING PIN BEIGE: A0005
G2 CONNECTING PIN GREY: A0007
G2 CONNECTING PIN BLUE: A0006

TERMINOLOGY

HEAD: Upper part of the CONNECTING PINS designed with a flat and anti-skid surface.

NOTCH: Manufactured recess in the pin’s head that allows the tool to insert the key for screwing and unscrewing.

SHAFT: Male part of our coupling system, the treaded shaft is to be inserted in our CANDOCK SLIDING NUTS.

ASSEMBLY PROCEDURE

1-Initiate the rotating process by hand.

2-When the CONNECTING PIN has access to the SLIDING NUT threads, proceed by screwing manually or mechanically with the proper tools.

3-Make sure to securely tighten the CONNECTING PINS until snug, without over tightening them.

TIPS

1-When initially inserting the CONNECTING PINS in place, you might want to firmly “tap” the pin in place. By proceeding so, you will ensure a strong “initial” grip of the shaft treads into the SLIDING NUT. Likewise, this “tap” will help you get the pin through the 4 cube tabs resting on top of the SLIDING NUT.
2-Once the assembly process is completed, align the NOTCHES of every CONNECTING PINS using the manual key. This simple operation will allow to quickly locate any CONNECTING PINS which could have unscrewed over time.
3-Always proceed with caution if using a power drill to fasten the CONNECTING PINS, the drill can have tendency to “kick”. Use protective footwear. If using power drill to unscrew pins, always loosen-up the pins manually prior to using the drill.
4- Never use an ‘’impact tool’’ to fasten the connecting pins as you will surely damage the connecting pins and the assembly key for drill as well.

SLIDING NUT

Material/Composition: High-density polyethylene resin
Available colors: Black

SKU NUMBER

SLIDING NUT: A0062

TERMINOLOGY

CHANNELS: Hooks molded on each side of the SLIDING NUT to securely insert the nut on the cube tabs.

ASSEMBLY PROCEDURE

Insert SLIDING NUT on the lowest available tab of the connection point.

TIPS

Always make sure no SLIDING NUT are forgotten during the assembly process. Such a mistake could result in a considerable loss of time as you will have to dismantle the whole structure 2 pieces to re-insert the missing nuts. Double-checking is quite simple compared to dismantling everything!

LUG CONNECTOR

SPECIFICATIONS

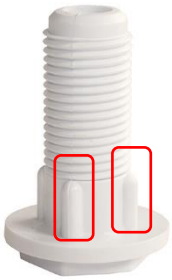
Material/Composition: High-density polyethylene resin
Available colors: White
Needed tools: Key for nut

SKU NUMBER

LUG CONNECTOR: A0064

TERMINOLOGY

AUTO LOCKING RIBS: Locking ribs that are easing the process of screwing and un-screwing the NUT from the LUG CONNECTOR as it's locking itself automatically onto the cube tabs.

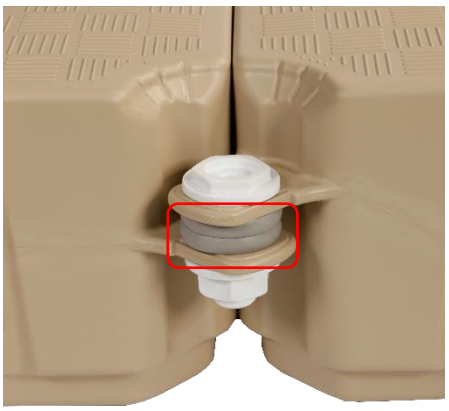


ASSEMBLY PROCEDURE

Simply insert LUG CONNECTOR onto the cube tabs at every connection point that isn't occupied by another Candock accessory. Secure by firmly screwing the NUT with the proper tool. (KEY FOR NUT or RATCHET KEY FOR NUT)

TIPS

-Make sure to include a LUG CONNECTOR and NUT combination on the entire perimeter of any Candock system. The stiffening effect that such a precaution provides can also be achieved with our CLEATS and BUMPERS.
-If possible, we suggest that LUG CONNECTORS and NUTS are fastened prior to putting the dock in the water. Proceeding on dry land will simply ease the whole process.
-Make sure to include the needed SPACERS if the tab configuration creates a void in the assembly.



NUT

SPECIFICATIONS

Material/Composition: High-density polyethylene resin
Available colors: White
Needed tools: Key for nut

SKU NUMBER

NUT: A0063

ASSEMBLY PROCEDURE

Insert on each LUG CONNECTOR and firmly tighten using the proper tools.

SPACER

SPECIFICATIONS

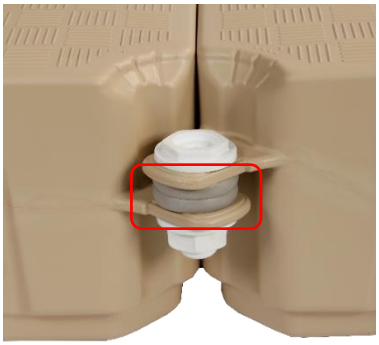
Material/Composition: High-density polyethylene resin
Available colors: Gray

SKU NUMBER

SPACER: A0066

ASSEMBLY PROCEDURE

Include spacers at every connection point where the tab configuration creates a void in the assembly.



⊙ DOCK ACCESSORIES

BUMPER

SPECIFICATIONS

Material/Composition: High-density polyethylene resin with softer compound additive
Available colors: White
Needed tools: Key for nut
*Nut included

SKU NUMBER

BUMPER: A0061

TERMINOLOGY

AUTO LOCKING RIBS: Locking ribs that are easing the process of screwing and un-screwing the NUT from the BUMPER as it's locking itself automatically onto the cube tabs.

ASSEMBLY PROCEDURE

Simply insert the BUMPER onto the cube tabs at the desired location. Secure by firmly screwing the NUT with the proper tool. (KEY FOR NUT or RATCHET KEY FOR NUT)

TIPS

-If possible, we suggest that BUMPERS are fastened prior to putting the dock in the water. Proceeding on dry land will simply ease the whole process.
-Make sure to include the needed SPACERS if the tab configuration creates a void in the assembly.

VERTICAL BUMPER

SPECIFICATIONS

Material/Composition: Aluminum and PVC extrusion
Available colors: White
Needed tools: Key for nut and ratchet tool kit
*Lug connector and nut NOT included.

SKU NUMBER

VERTICAL BUMPER: B0145

ASSEMBLY PROCEDURE

Simply insert the VERTICAL BUMPER onto the “pre-installed” LUG CONNECTOR and NUT assembly using the provided hardware (bolt, washers and nut). Secure by firmly tightening the nut onto the bolt.

CLEAT

SPECIFICATIONS

Material/Composition: High-density polyethylene resin
Available colors: White
Needed tools: Key for nut
*Nut included

SKU NUMBERS

CLEAT: A0060
REINFORCED CLEAT: B0208

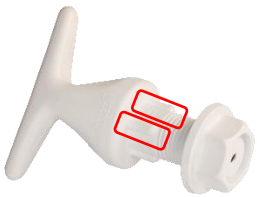
CLEAT OPTIONS

#1: Regular – Theoretical Safe Working Load – 950kg (2090lbs)

#2: Reinforced (Concrete filled) – Theoretical Safe Working Load – 1050kg (2310lbs)

TERMINOLOGY

AUTO LOCKING RIBS: Locking ribs that are easing the process of screwing and un-screwing the NUT from the CLEAT as it's locking itself automatically onto the cube tabs.



ASSEMBLY PROCEDURE

Simply insert the CLEAT onto the cube tabs at the desired location. Secure by firmly screwing the NUT with the proper tool. (KEY FOR NUT or RATCHET KEY FOR NUT)

TIPS

-If possible, we suggest that CLEATS are fastened prior to putting the dock in the water. Proceeding on dry land will simply ease the whole process.
-Make sure to include the needed SPACERS if the tab configuration creates a void in the assembly.

FOLDING CLEAT ON CONNECTING PIN

SPECIFICATIONS

Material/Composition: High-density polyethylene resin, concrete and stainless steel 316
Available colors: Beige and Gray
SWL: 800kg (1760 lbs)
Needed tools: Key for nut
*Sliding nut NOT included

SKU NUMBERS

FOLDING CLEAT ON CONNECTING PIN BEIGE: B0265
FOLDING CLEAT ON CONNECTING PIN GRAY: B0264

ASSEMBLY PROCEDURE

1-Initiate the rotating process by hand.

2-When the CONNECTING PIN has access to the SLIDING NUT threads, proceed by screwing manually using the manual key as a lever.

3-Make sure to securely tight the FOLDING CLEAT ON CONNECTING PIN until snug, without over tightening it.

H.D. BOLLARD CLEAT

SPECIFICATIONS

Material/Composition: Stainless steel 316 L
Available colors: Beige and Gray (connecting pins)
SWL: 800kg (1760 lbs)
Needed tools: G2 key for pin and ratchet tool kit
*Sliding nut NOT included

SKU NUMBERS

CLEAT HD STAINLESS STEEL 316 BEIGE: B0287
CLEAT HD STAINLESS STEEL 316 GRAY: B0286

ASSEMBLY PROCEDURE

1-Establish the location of the future H.D. BOLLARD CLEAT.

2-Remove the 4 regular CONNECTING PINS that are surrounding the selected cube.

3-Insert the 4 Connecting pins w/ 5/8” threaded rod that are included with the cleat. Initiate the screwing process by hand.

4-When the pin’s threads are properly engaged, manually tighten using the G2 key for connecting pin.

5-Make sure to securely tight the connecting pins until snug, without over tightening them.

6-Remove the nuts and washers from the steel threaded rods and put the H.D. BOLLARD CLEAT in place.

7-Secure the cleat by tightening the nuts and washers back in place with a 15/16” wrench key.

* The use of “anti-seize” grease on the threaded rods/nuts assemblies is strongly recommended.
** Do not install the H.D. BOLLARD TYPE CLEAT out the outskirt of your dock. Always bring it 1 cube inside the perimeter.

MODULAR RAILING SYSTEM

The Candock Modular Railing System has been developed with the same advantages as our Modular Floating Dock system. By allowing limitless configuration possibilities, they provide a tailored railing system for any Candock dock. The system is consisted of a few simple components which, when adequately combined, can provide a safe and aesthetical railing/guard rail system for our Candock docks.

As it is the case with our regular system, most parts are secured or installed on the Candock system using the same coupling mechanism. Depending on the specification, geometries, application and options required for your project, the same principles explained earlier will apply. The coupling hardware and method will vary depending on post model.

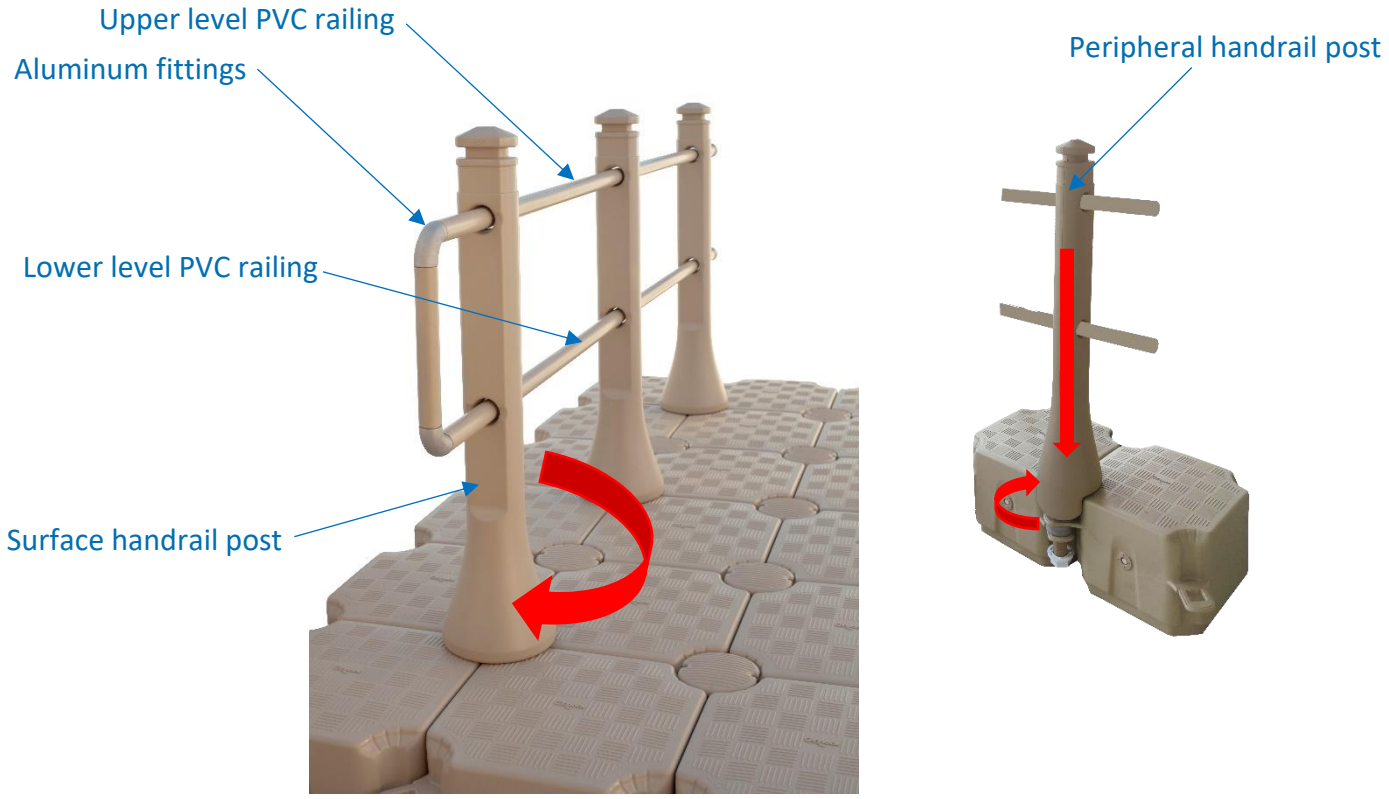
The PVC railings and aluminum fittings are connected together using a simple “push-pin” quick connect system. These fittings allow for junctions in between lengths of PVC (if section is longer than 20’), endings at the end of each PVC pipes, 45 degrees corners and 90 corners that allow for any shape of dock. 90 degrees fitting are also utilized to create a smooth yet sturdy ending at the end of each railing section (image below).

1-SURFACE POST

Can be considered as a “guard-rail” if installed at “2-cubes” intervals. Furthermore, utilizing Candock’s PVC pipes is mandatory. See detailed specification sheet for more information. This model simply replaces a CONNECTING PIN and thus, is to be screwed in place in combination with a SLIDING NUT. Specific tools are to be utilized, please refer to the tools Owner’s Manuals for instructions.

2-PERIPHERAL POST

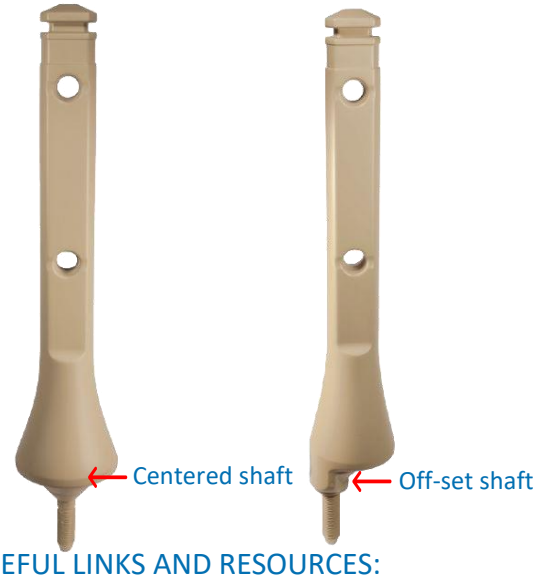
Cannot be considered as a “guard-rail”. Must be installed at “3-cubes” intervals or less. This model is to be installed on the perimeter of the Candock System and is installed in the same fashion as a LUG CONNECTOR/NUT assembly.

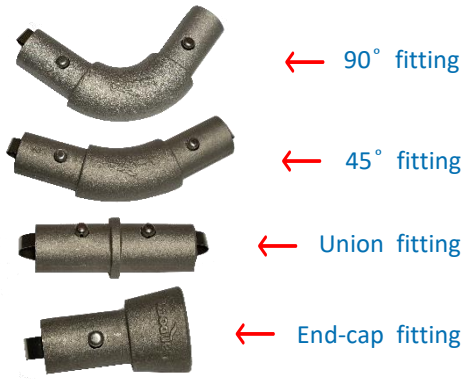


SURFACE

PERIPHERAL

FITTINGS





USEFUL LINKS AND RESOURCES:

Website

YouTube

SPECIFICATIONS

Material/Composition: High-density polyethylene resin and casted aluminum
Available colors: Beige and Gray
Dimensions posts: Post height: 107.cm (42.3'') / Railing height: 92.1cm (36.25'')
Dimensions railings: O/D 4.19cm (1.65'') x L 6.09m (20') per section
Weight: Post 2.27 kg (5 lbs.)
Needed tools: Key for surface post or Key for nut

SKU NUMBERS

SURFACE POST BEIGE: A0053
SURFACE POST GRAY: A0054
PERIPHERAL POST BEIGE: A0055
PERIPHERAL POST GRAY: A0056
PVC RAILING BEIGE: B0023
PVC RAILING GRAY: B0024
90°FITTING: B0257
45°FITTING: B0258
UNION FITTING: B0259
END-CAP FITTING: B0256

ASSEMBLY PROCEDURE

SURFACE POST

1-Determine the location of the post you wish to install.

2-Remove the CONNECTING PIN that is at the selected location using the proper tool.

3-Insert the surface post and initiate the rotating process by hand.

4-When the SURFACE POST has access to the SLIDING NUT threads, proceed by screwing manually or mechanically with the proper tool.

5-Make sure to securely tighten the SURFACE POST until snug, without over tightening.

NOTES

-Intervals (spacing) between each post should be of 2 cubes if the railing system is to be utilized as a guard rail. PVC railings should also be included at both levels (upper and lower) in order to provide sufficient rigidity for the whole assembly.

-A wider span can be considered if the railings are destined to provide walking/traffic assistance as opposed to preventing accidental falls off the dock.

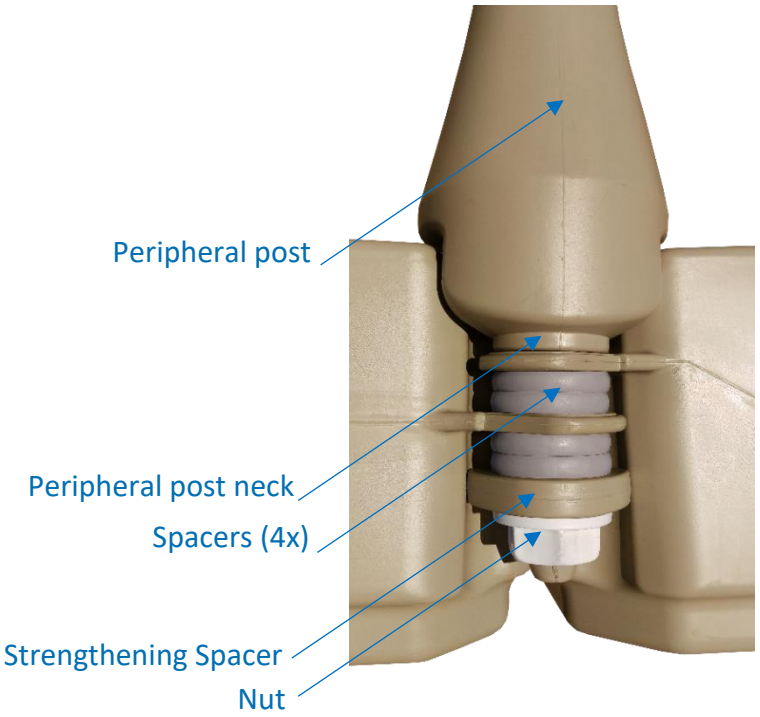
-Ropes could be considered for the horizontal railings as opposed to PVC if the railings are destined to provide walking/traffic assistance as opposed to preventing accidental falls off the dock.

PERIPHERAL POST

1-Determine the location of the post you wish to install.

2-Remove the potential installed LUG CONNECTOR / NUT assembly that is at the selected location using the proper tool.

3-Insert the surface post while making sure to include the needed SPACERS (4x) and STRENTENING SPACER (1x) as you insert the post on the cube's tabs. The STRENTENING SPACER is to be inserted at the lowest possible point on the post's shaft. The "regular" SPACERS are to be inserted at the connection point where the tab configuration creates a void in the assembly. No SPACERS should be included higher than tab #4 (see image). The "neck" of the post has to be "sitting" directly on top of tab (or spacer) #4.



4-Finalize assembly by firmly tightening the NUT at the bottom of the post's shaft.

NOTES

-Intervals (spacing) between each post should be of 2 or 3 cubes in order to provide sufficient rigidity for the whole assembly.

-A wider span can be considered but the railings will loos considerable strength.

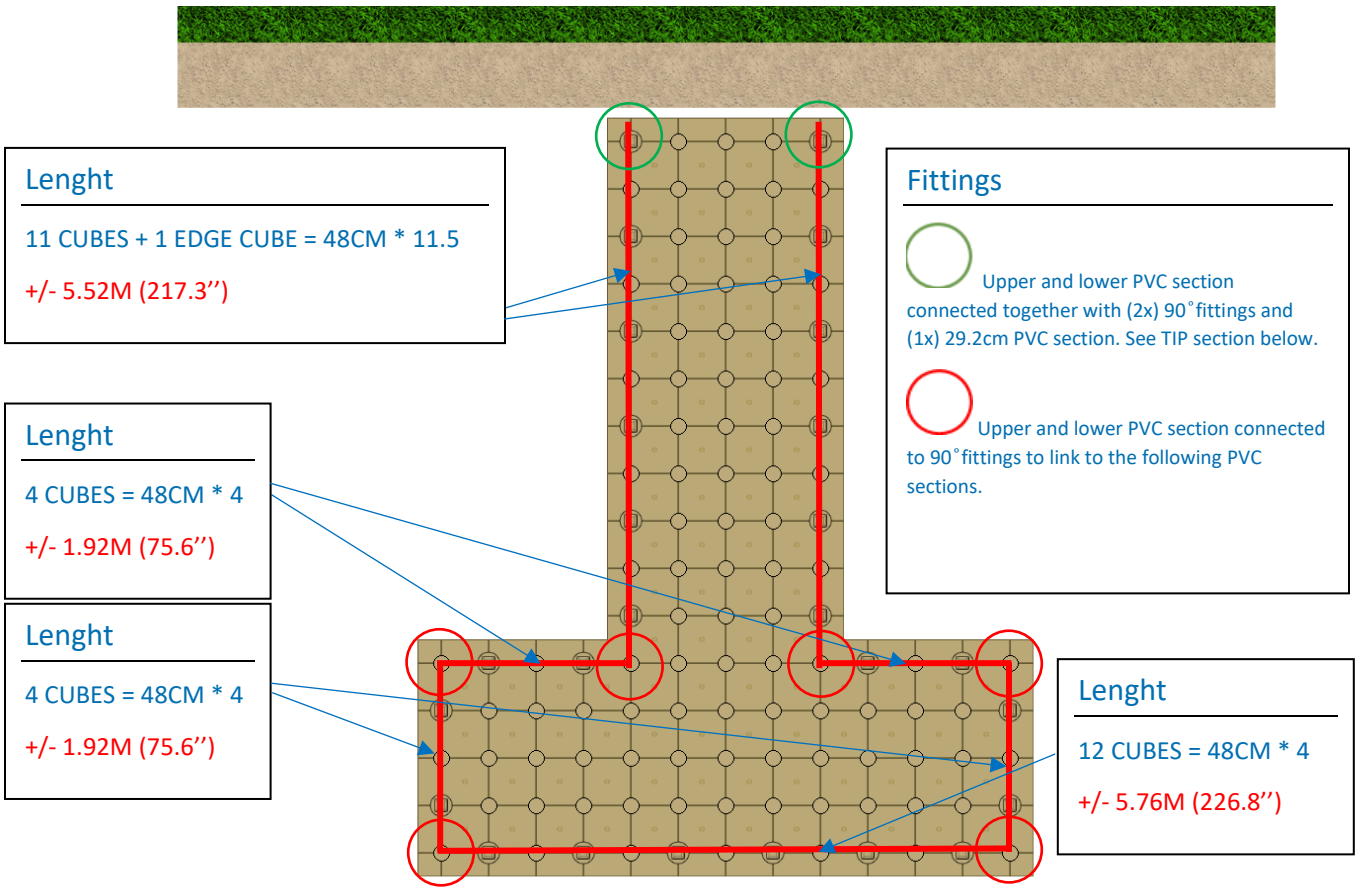
-Ropes could be considered for the horizontal railings as opposed to PVC tubes.

PVC PIPE RAILINGS

1-Determine the desired geometries of the railings.

2-By using multiples of 48cm (19''), determine the exact lengths of each PVC section. Maximal length of 1 PVC section is 6.09m (20'). To create longer sections, simply use the UNION FITTINGS. **Also remember that each fitting added to an assembly will require a deduction in the PVC pipe length. As an example, 90 degrees fittings will compensate for 3.17cm (1 ¼'') in each directions.**

3-Measure and cut the PVC sections at exact needed length using a regular wood miter saw and blade. See below diagram.

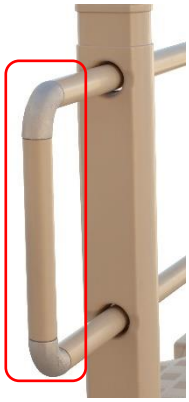


4-Pre-drill the "quick connect" holes in each PVC section using the provided jig. The jig will allow for accurate hole locations and thus ensure that all available fittings will fit adequately. See below diagram.

5-Insert the PVC sections throughout the dock layout and connect them together suing the proper fitting.

TIPS

-To create a stiffer assembly in a calm body of water, link the upper and lower PVC rails by adding a vertical PVC section of 29.2cm (11 ½”) between (2x) 90˚ fittings. This will create a stiffer assembly between the upper and lower PVC rails.



PRODUCT LIMITATIONS

-Regardless of the water conditions and main application of the floating dock, it is not recommended to use these handrails in conditions where waves are subjected to exceed 3 '(1m).

- Unless installed in an environment completely protected from wave action, the ropes or pipes must have buffers of at least 45cm (18’’) at each end to allow free movement of the ropes OR PVC pipes through the posts.

- If using rope as opposes to PVC pipes, recommend the use of a rope possessing high resistance to friction and abrasion.

-When used with pipes and unless installed in an environment completely protected from wave action, the corners or “end section” of the handrail system (45 deg. ,90 deg. End-cap)) will not withstand waves of more than 30cm (12’’) for extensive periods. We therefore recommend leaving any corner section or “end section” as free as possible by adding the necessary buffers to your pipe measurements.

ALUMINUM HANDRAIL POST

SPECIFICATIONS

Material/Composition: High-density polyethylene resin and aluminum 6061
Needed tools: Key for nut
*Nut included

SKU NUMBER

ALUMINUM HANDRAIL POST: B0077

ASSEMBLY PROCEDURE

Simply insert the ALUMINUM HANDRAIL POST onto the cube tabs at the desired location. Secure by firmly screwing the NUT with the proper tool.

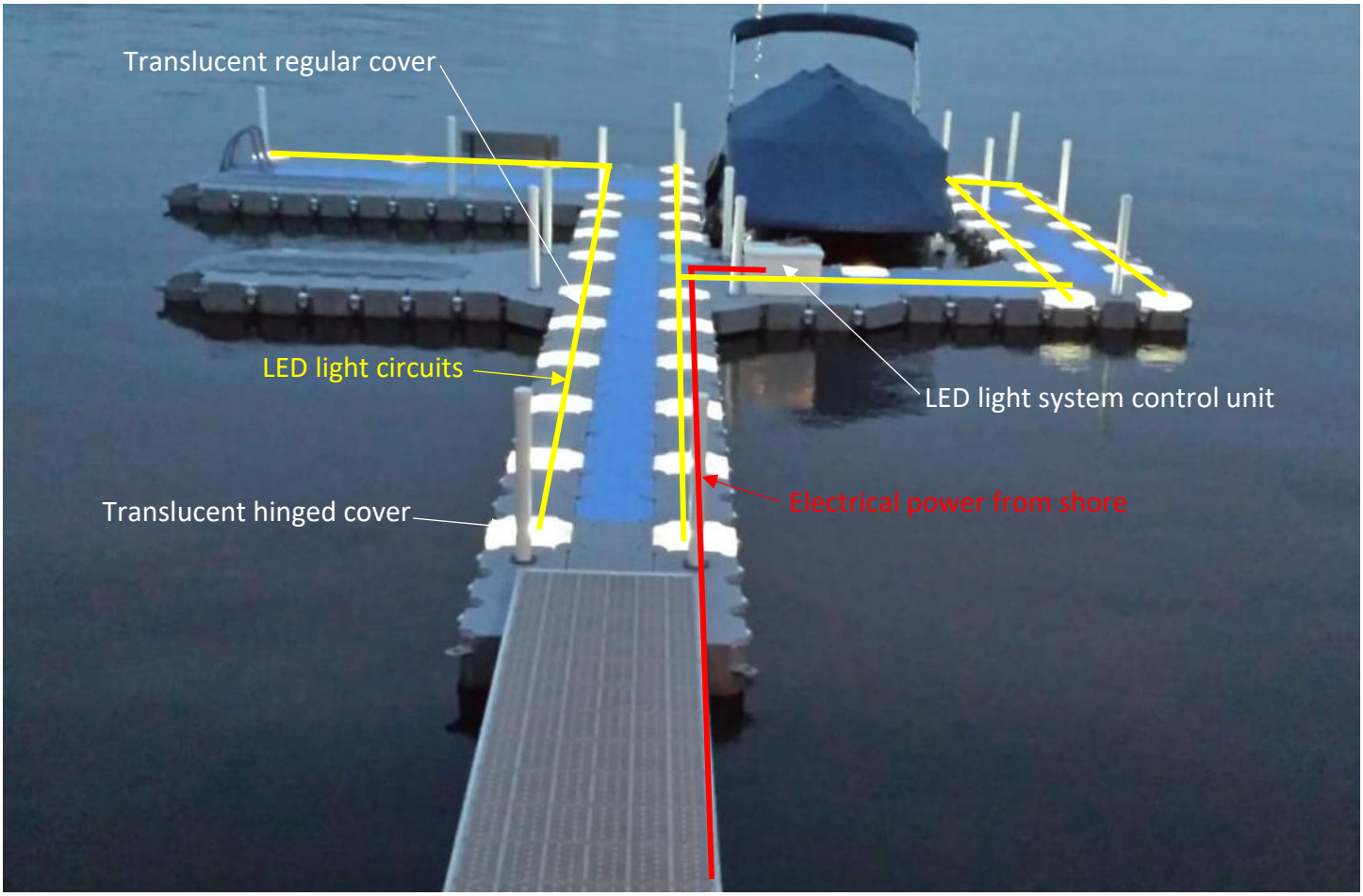
TIPS

-Make sure to include the needed SPACERS if the tab configuration creates a void in the assembly.

LED LIGHT SYSTEM

The Candock LED light system shares on many components and concepts that are found in our SERVICE CHANNEL SYSTEM. Indeed, by replacing “solid colored” covers with translucent covers, we therefore allow for light emitting diodes installed within the covers to brighten the surface of your Candock dock.

As it is the case with our SERVICE CHANNEL system, the covers are secured on the Candock system using the same 2 coupling mechanisms. Depending on the specification, geometries, application, and options required for your project, the same principles explained earlier will apply.



Regular

Hinged*

Hinge Hardware

3W Light Bulb

Connector wires and clips

14-2 power cable

Alligator clips

12V to 12V Controller

110V to 12V Controller

SPECIFICATIONS

Material/Composition: Covers: high-density polyethylene resin, LED light bulbs and wires
Available colors: Covers: white/translucent Light Bulbs: white
Needed tools: G2 key for pin, Key for nut, ratchet tool kit (Hinged cover) and basic tool kit to complete the converter assembly and connections

SKU NUMBERS

TRANSLUCENT SERVICE COVER: A0018
HINGED TRANSLUCENT SERVICE COVER: A0021
LED LIGHT BULB: B0016
LED LIGHT SYSTEM CONTROLLER 12v TO 12v: B0002
LED LIGHT SYSTEM CONTROLLER 110v TO 12v: B0028
12V POWER CABLE (PER LINEAR FT.): B0038

TERMINOLOGY

LIGHT BULB: Custom design light-emitting diodes that are destined to light-up any CANDOCK dock, pontoon, platform or marina. Perfectly sealed and extremely durable, these light bulbs are the most reliable and practical solution to bring light to any CANDOCK floating structure. Consuming minor quantities of energy, these lights can be coupled to a conventional deep cycle 12 volts marine grade battery or to a conventional 110/220 volts power outlet.

CONNETORS: 2 pieced plastic connector that transmits the electrical power from the MAIN POWER SUPPLY CABLE to the light bulb.

POWER SUPPLY CABLE: #14-2, low voltage, 2 multi strand wires electric cable.

POWER CONVERTER 12V TO 12V: 12 Volt modulator that is to be connected directly to a 12volt “Deep Cycle” Marine grade battery via basic alligator clips.

POWER CONVERTER 110V TO 12V: 110/220 to 12-volt modulator with a regular electrical plug/outlet

PROCEDURE

1-Proceed with cube assembly without installing covers on the G2 SERVICE CUBE bases.

2-To set up the main 12v power cable, place it onto the path created by the service cube bases. Please use the cable provided by Candock or a 12v landscaping cable 14-2 low voltage, 2 multi strand cable.

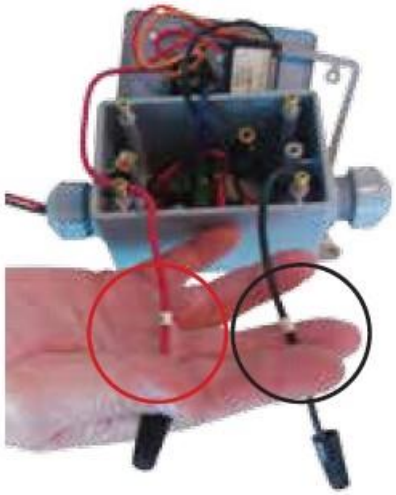
NOTE: If you need to install side covers, we recommend that you immediately attach them to their base and leave them open.

3-IInsert the lights in the pre-drilled hole of each covers. The seal has a small slot that allows a firm fit.

4-At this stage, we recommend that you connect the main power cable to the power converter supplied by Candock.

5.1 - 12 VOLT to 12 VOLT CONVERTER:

Open the box of the power supply. Locate the red "disconnected" wire and the black wire identified with a white tag. Insert the 12v power cable through the plastic nut and then the rubber seal. Insert the cable into the box keeping enough length for an easy connection. Connect the part of the power cable with the writings to the red wire using de twist connector. Connect the part of the 12v cable with no writings to the black wire using de-twist connector. Screw the plastic nut in place making sure there is a tight fit around the 12v cable. Close the control box.



5.2 - 110/220 VOLT to 12 VOLT CONVERTER:

Open the box of the power supply. Locate the red and the **black** "disconnected" wires. Insert the 12v power cable through the plastic nut and then the rubber seal. Insert the cable into the box keeping enough length for an easy connection. Connect the part of the 12v power cable with the writings to the red wire using de twist connector. Connect the part of the 12v power cable with no writings to the black wire using de twist connector. Screw the plastic nut in place making sure there is a tight fit around the landscape cable. Close the control box.

6- Switch on the converter, so that you can validate that the lights are operating properly as you connect them.

7- Connect the lights to the 12v power cable using the connectors. Make sure that the part of the connector that is linked to the black wire is connected to the strand marked with writings. As the lights are polarized, they will light only when connected correctly. If the light is not coming on, make sure the power supply is on and wires connected properly. Make sure that the connector is installed properly. If the light still does not work, your connector is probably inverted, you need to reverse it.

8- Position the light so that the connecting wires are oriented towards the power cable. Make sure that the wires of the lights are also aligned with one of the small cavities on the top surface of the cube. This will prevent de connectors from bending excessively once the covers are sitting in their final positions.

9-Once all the lights are in place in the covers, you should put the covers in place

NOTES

-The lights can be installed in the covers and the covers put in place as you go.

-You must ensure that you do not exceed the capacity of your converter. Thus, the limit is at 62 lights and/or 150'/45m whichever comes first. If you go past the number of lights and/or the maximum cable length, a second converter will be required.

-Connectors are designed for a 14-2 low voltage "landscaping" power cable only.

-If you need to remove a light that is already installed in a cover, do not remove it by pulling on the wire. Push the light completely inside the cover, remove the ring and then it will be easy to pull out the light from the cover.

-The LED lights are polarized, so this means they will only work when connected properly.

-Using the 12v power supply, make sure that you are using a marine grade deep cycle battery that is connected to a solar panel of appropriate size or a charge keeper (Candock can supply these items and it is recommended that you purchase them from Candock or an authorized Candock distributor to prevent damages) because inappropriate voltage of the battery will result in an automatic shutdown of the power supply.

OUTBOARD ENGINE MOUNT

SPECIFICATIONS

Material/Composition: High-density polyethylene resin and aluminum 6061
Needed tools: (2) adjustable wrenches
*Lug connector and nut not included.

SKU NUMBER

OUTBOARD ENGINE MOUNT: B0293

ASSEMBLY PROCEDURE

Simply insert the ENGINE MOUNT onto the “pre-installed” LUG CONNECTOR and NUT assembly using the provided hardware (bolts, washers, and nuts). Secure by firmly tightening nuts.

TIPS

-Make sure to include the needed SPACERS if the tab configuration creates a void in the assembly.

WARNING

Use of this product in combination with our modular floating dock system converts it into a boat and is therefore considered as is by transport Canada (the same situation could apply to other countries) and must respect the laws applying to boats. Our dock system is not designed for navigation and Candock Inc. disclaims any responsibility if it is used with an engine of any type whatsoever. It is the sole responsibility of the purchaser to comply with the laws in force.

SWIM LADDER

USEFUL LINKS AND RESOURCES:

Website

YouTube

Box content

SPECIFICATIONS

Material/Composition: High-density polyethylene resin
Available colors: Beige and Gray
Needed tools: G2 key for pin, Key for nut and ratchet tool kit
*Needed nuts and spacers included.

SKU NUMBERS

SWIM LADDER BEIGE: B0200
SWIM LADDER GRAY: B0201

ASSEMBLY PROCEDURE

1-Pre-assemble the ladder as shown on the manual included in the box.

2-Establish the desired location of the ladder.

3-Remove the (2x) regular CONNECTING PINS and LUG CONNECTORS that are located where you wish to install the ladder.

4-Insert and tighten the (2x) provided connecting pins with threaded rods.

5-Insert the 2 treaded parts of the ladder's up-rights into the chosen tabs. Manually engage the threads of the NUTS.

6-Insert the threaded rods of the connecting pins into the holes of the uprights and screw the brass nuts and washer firmly.

7-Firmly tighten the NUTS with the proper tool.

TIPS

-Make sure to include the (4x) needed SPACERS on the threaded shafts of the (2x) uprights (2 on each side).

BENCH

SPECIFICATIONS

Material/Composition: Aluminum and fiber-glass re-enforced polypropylene panels
Available colors: Beige and Gray
Needed tools: G2 key for pin and ratchet tool kit

SKU NUMBERS

BENCH BEIGE: B0094
BENCH GRAY: B0063

ASSEMBLY PROCEDURE

1-Establish the location of the future BENCH on the dock.

2-Remove the 2 regular CONNECTING PINS that are under the bench's future location.

3-Insert the 2 CONNECTING PIN W/ MULTI-BASE ADAPTOR that will act as support legs for the bench. Initiate the screwing process by hand.

4-When the pins are properly inserted, proceed by screwing manually using the key for pin as a lever inside the pre-drilled hole

5-Make sure to securely tighten the CONNECTING PIN W/ MULTI-BASE ADAPTOR until snug.

6-You can now assemble the bench parts together (the 2 panels and the 2 frame units). While assembling the panels, make sure to use the aluminum re-enforced one for the seat and the regular one for the back rest. Make sure to properly align the mounting holes together while centering the panels on the frame units. We recommend using "long nose" pliers to prevent the bolts from stripping the plastic inserts while screwing the nuts in place.

7-Simply insert the bench assembly into the CONNECTING PIN W/ MULTI-BASE ADAPTOR.

REVOLVING AND FOLDING BENCH

SPECIFICATIONS

Material/Composition: Aluminum, plastic and synthetic leather
Available color: Gray only
Needed tools: G2 key for pin and ratchet tool kit

SKU NUMBER

REVOLVING AND FOLDING BENCH: B0211

ASSEMBLY PROCEDURE

1-Establish the location of the future REVOLVING AND FOLDING BENCH on the dock.

2-Remove the regular CONNECTING PIN that is under the bench's future location.

3-Insert the CONNECTING PIN W/ MULTI-BASE ADAPTOR that will act as support leg for the bench. Initiate the screwing process by hand.

4-When the pin is properly inserted, proceed by screwing manually using the key for pin as a lever inside the pre-drilled hole

5-Make sure to securely tighten the CONNECTING PIN W/ MULTI-BASE ADAPTOR until snug.

6-Simply insert the REVOLVING AND FOLDING BENCH assembly into the CONNECTING PIN W/ MULTI-BASE ADAPTOR.

STORAGE CUBE

SPECIFICATIONS

Material/Composition: High-density polyethylene resin and ABS hatch.
Available colors: Beige and Gray
Needed tools: G2 key for pin and ratchet tool kit

SKU NUMBERS

BENCH BEIGE: B0094
BENCH GRAY: B0063

ASSEMBLY PROCEDURE

See the regular CUBE assembly procedure.

NOTICE

-Beware of latch “openning orientation” for product ease of use.

-In order to prevent premature wear of the seal/gasket, the pivoting handle is not tightened when items are shipped. Thus, a Philips head screwdriver is required in order to tighten the handle in place. Simply open the hatch and the screw is undernaeath the handle. Make sure the handle can still move freely while compressing the seal.

FIBERGLASS DOCK BOX

Material/Composition: Fiberglass (+gelcoat) and stainless steel 316
Available color: White only
Needed tools: G2 key for pin and ratchet tool kit

SKU NUMBER

FIBERGLASS DOCK BOX: B0273

ASSEMBLY PROCEDURE

1-Establish the location of the future FIBERGLASS DOCK BOX on the dock.

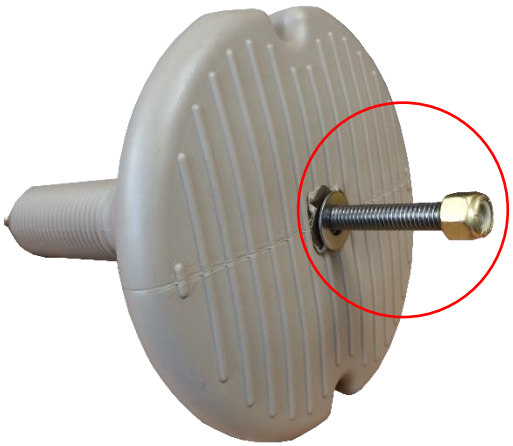
2-Remove the regular CONNECTING PIN that is under the box's future location.

3-Insert the CONNECTING PIN W/ 3/8" THREADED ROD that will act as an anchoring point for the box onto the dock. Initiate the screwing process by hand. When the pin is properly inserted, proceed by screwing manually using the key for pin.

4-Remove the nut and washer from the threaded rod.

5-Position the box through the threaded rod.

6-Firmly tighten the washer and nut back onto the threaded rod to secure the dock box in place.



NOTICE

-Beware of latch "openning orientation" for product ease of use.

MOORING WHIPS SUPPORT

SPECIFICATIONS

Material/Composition: Aluminum and stainless steel 316
Available colors: Beige and Gray
Needed tools: G2 key for pin, key for nut and ratchet tool kit

SKU NUMBERS

MOORING WHIPS SUPPORT BEIGE: B0106
MOORING WHIPS SUPPORT GRAY: B0107

ASSEMBLY PROCEDURE

1-Establish the location of the future MOORING WHIP SUPPORT.

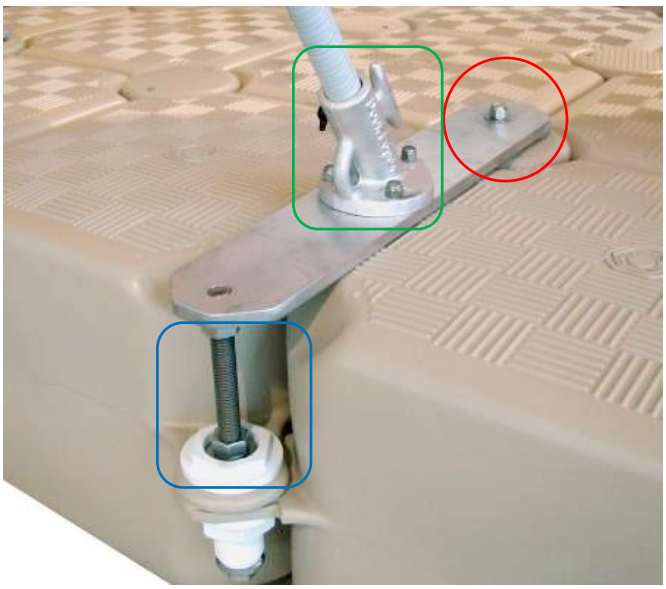
2-Remove the regular CONNECTING PIN that is at selected area.

3-Remove the nut and washer from the CONNECTING PIN W/ 1/2" THREADED ROD and set it aside. Insert the pin and initiate the screwing process by hand. When the pin is properly inserted, proceed by screwing manually using the key for pin. This first component will act as an anchoring point for the whip support onto the dock.

4-Install the LUG CONNECTOR and NUT assembly onto the tabs of the selected location.

5-Fasten your mooring whip base* against the aluminum plate. You will therefore have access under the plate.

6-Take the whole assembly and fix it against the CONNECTING PIN W/ 1/2" THREADED ROD and the LUG CONNECTOR and NUT assembly.



7-Complete by screwing the destined nuts and washers using proper key wrench ratchet.

*Mooring whip base and whip sold separately. See here for our suggested whip supplier.

DIVING BOARD

SPECIFICATIONS

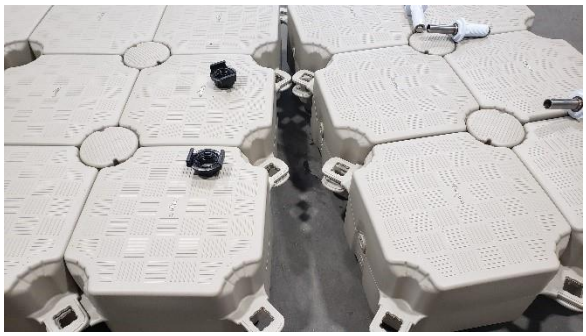
Material/Composition: Fiberglass and stainless steel
Available colors: Beige and Gray
Needed tools: G2 key for pin, key for nut and ratchet tool kit

SKU NUMBERS

DIVING BOARD BEIGE: B0270
DIVING BOARD GRAY: B0270

ASSEMBLY PROCEDURE

1-Determine desired location of the diving board and remove the regular connecting pins and sliding nuts from the 4 connection points.



2-Insert de provided LUG CONNECTORS with threaded rods. The use of a small sledgehammer may help to complete the procedure. Make sure to align the mounting holes perpendicularly to the diving board's orientation.

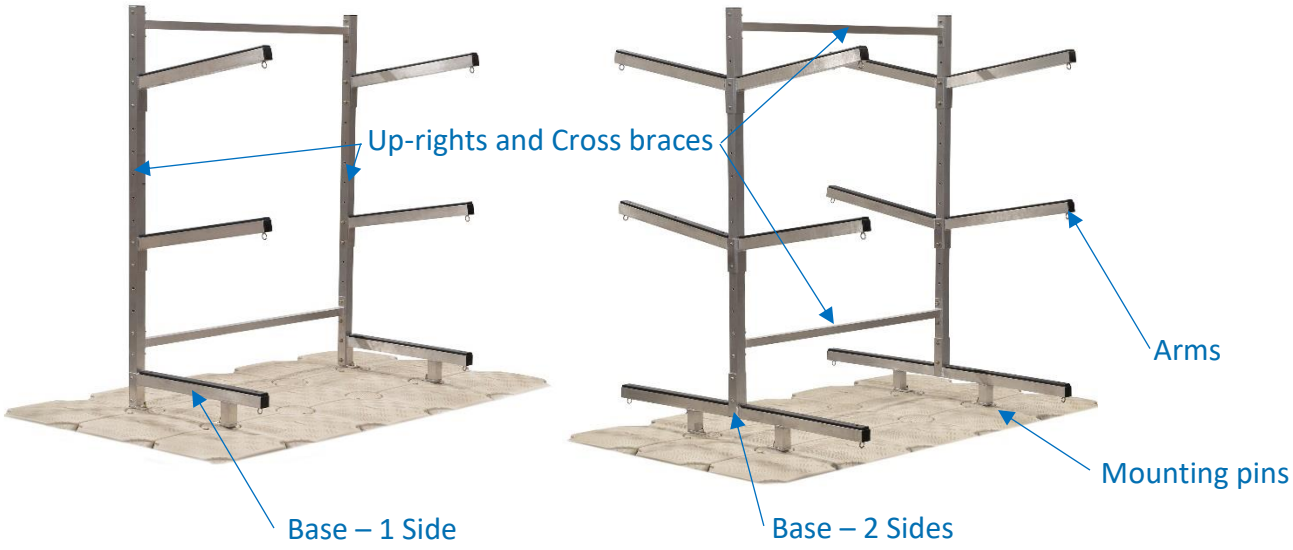
3-Once the 4 LUG CONNECTORS inserted, lift the cubes section on the side to have access underneath. Tightly fasten the white NUTS against the LUG CONNECTORS.

4-Using the provided hardware (3/8'' bolts, washers and nuts), install the 2 diving board mounts while including the connecting pin caps that will provide a more aesthetic finish.

5-Position the 2 rubber strips onto the diving board mounts. Using the round headed bolts, secure the back end of the diving board onto the rubber strip and diving board mount. Using the conical bolts, secure the front-end rubber strip on the diving board mount.
*Make sure to include anti-cease grease on the back-end bolts (round headed)

6-Firmly tighten the back-end hardware until the heads of the bolts are sitting properly into the fiberglass board. Cover the bottom bolts with the provided rubber caps.

MODULAR KAYAK RACKS (SINGLE AND DOUBLE)



SPECIFICATIONS

Material/Composition: Aluminum, HDPE, and SS Hardware
Available colors: Beige or Gray
Needed tools: G2 key for pin, Halen key set and ratchet tool set

SKU NUMBERS

KAYAK RACK BASE – 1 SIDE (PAIR): B0372
KAYAK RACK BASE – 2 SIDES (PAIR): B0373
KAYAK RACK – 2 UPRIGHTS + 2 CROSS BRACES: B0375
KAYAK RACK ARMS (UNITS): B0376
KAYAK RACK MOUNTING PIN BEIGE (UNIT): B0378
KAYAK RACK MOUNTING PIN GRAY (UNIT): B0377

ASSEMBLY PROCEDURE

-Establish the location of the future MODULAR KAYAK RACK on the dock.

2-Remove the regular CONNECTING PINS (4x) that are at the mounting points.

3-Insert the KAYAK RACK MOUNTING PINS that will act as mounting points for the Kayak Rack bases. Initiate the screwing process by hand. When the pins are properly inserted, proceed by screwing manually using the key for pin.

4-Position and secure the KAYAK RACK BASES on the mounting pins.

5-Position and secure the UP-RIGHTS and CROSS BRACES onto the KAYAK RACK BASES.

6-Position and secure the KAYAK RACK ARMS onto the UP-RIGHTS.

NOTICE

-A maximum of **75lbs per vessel space** should be applied on the rack.

-A maximum of **300lbs** should be applied on the ONE SIDE rack assembly.

-A maximum of **600lbs** should be applied on the TWO SIDES rack assembly.

-If using the TWO SIDES rack, weight should be evenly distributed between each side.

DOUBLE LAYER ROD KIT

SPECIFICATIONS

Material/Composition: High-density polyethylene resin and Stainless steel 316
Needed tools: Key for nut and (2) adjustable wrenches
* 2 Lug connectors and 2 nuts included.

SKU NUMBER

DOUBLE LAYER ROD KIT: B0100

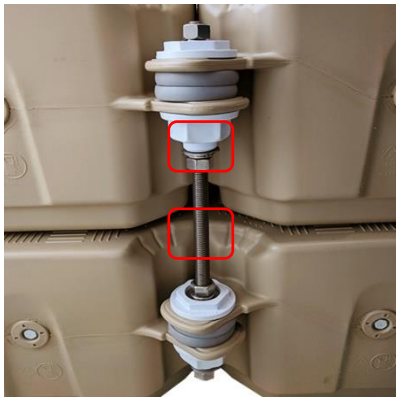
ASSEMBLY PROCEDURE

1-Determine position of the DOUBLE LAYER ROD KIT.

2-Install the needed LUG CONNECTORS and NUTS at top and bottom layer connection points.

3-Insert the stainless-steel rod in the LUG CONNECTORS while aligning the top and bottom layers. When the top layer is passed through, make sure to insert the 2 nuts and 2 washers that will be needed between the 2 layers.

4-Complete the installation by inserting the bottom nuts and washers and tightening all the above properly.



TIPS

-Always start by assembling and installing the bottom layer first. For the top layer, make sure you do not build sections that are larger than 10-15 cubes assembly. This is simply to keep the masses of the section as manageable as possible. Then, simply drag the top layer sections; one by one, on top of the bottom layer. Before dragging too many sections, make sure to secure the previous ones with a few double layer kits.

- Intervals (spacing) between each kit should be of 3 to 4 cubes at the most: depending on the application and environment.

⊙ ANCHORING PRODUCTS

ANCHORING BASIC CONCEPTS

The following section is of the outmost importance to Candock. **Indeed, the anchoring of a Candock Modular Floating System is highly important and will be directly correlating with the efficiency, stability, and durability of your Candock dock.** Thus, following the below recommendations and guidelines is key for your product to perform as we intend.

There are several categories of anchoring techniques (and accessories) but in the below instructions; we will focus on 3 main categories as well as few additional techniques and concepts that have proven to be efficient through the past 25 years of experience in the field. The following section will be divided as follow:

1 – PILINGS

2 – UNDERWATER ANCHORING POINTS WITH ANCHOR LINES

3 – ANCHORING STRUTS

4 – MISCELLANEOUS ANCHORING TECHNIQUES

Each of the 4 category has its strengths, weaknesses, and limitations. Thus, a proper site evaluation is mandatory to adequately determine the best anchoring technique or combination of anchoring technique. Indeed, for one floating dock project, a combination of multiple techniques and accessories may be the most suitable solution.

In addition to the local rules and regulations, the below list of key elements and characteristics are to be precisely assess/measured to determine the best anchoring strategy for your Candock dock. The below information is also addressed on our website's "ONLINE QUOTE REQUEST TOOL; https://candock.com/online-quotation/in-depth/. Through the process of our "IN DEPTH" online quote request form, we are tackling each of those points in an effort to be as precise and thoughtful as we possibly can while determining the anchoring technique and layout of your Candock dock.

1 - Project specifications? (what is the main purpose of the floating dock?):

2- Desired geometries and size of the modular floating dock system?

3- If required, specifications of the vessel that is to be "dry-docked" on the Candock modular floating dock system (make, model, year and engine layout and specifications)

4 – Description of the environment:

5 – Type of shoreline?

6 – Nature of lake/river/seabed?

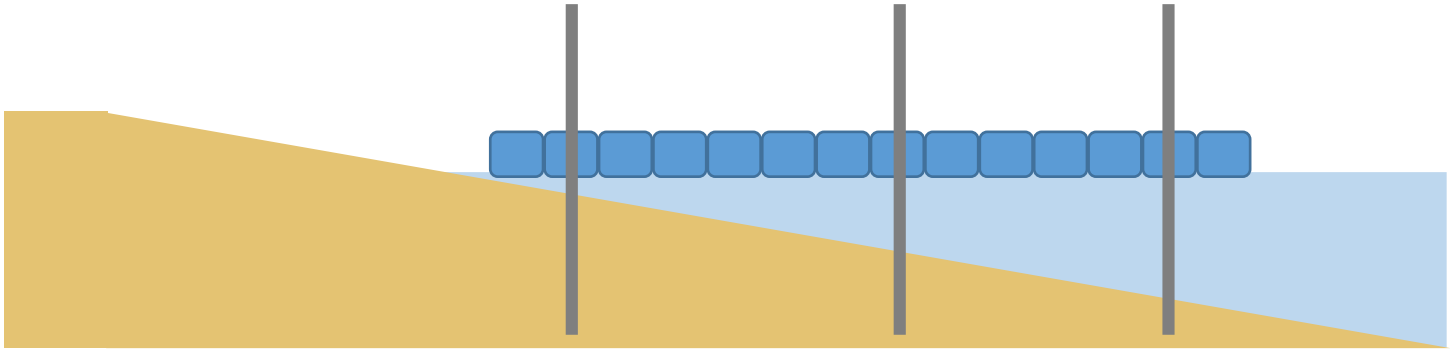
7 - Do you require an aluminum access ramp to access the dock from the shore (Gangway)

8 - Is the location protected from the wind and waves? Details and data?

9 - Is the site exposed to water level variations? Tidal or seasonal? Details and data.

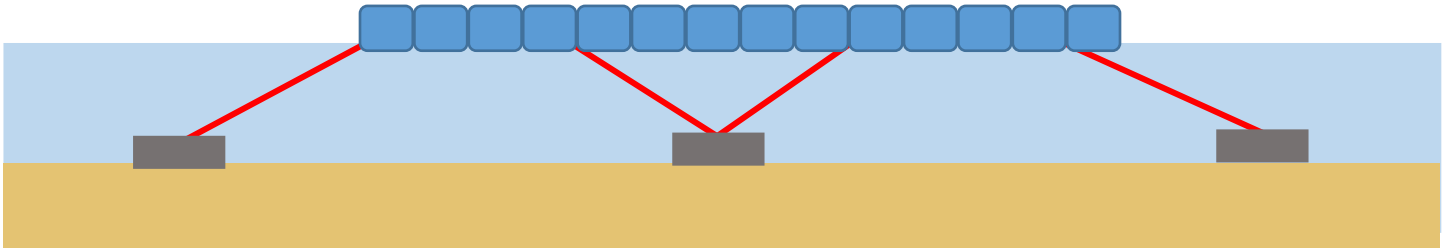
10-Water depths?

1 – PILINGS



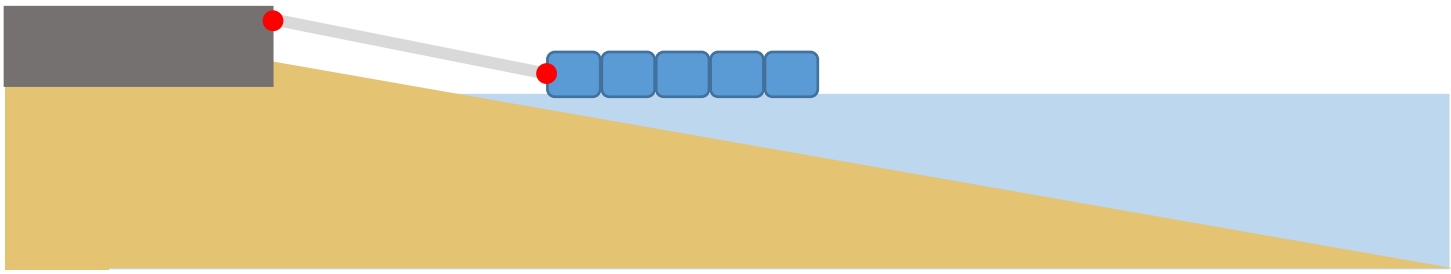
In the piling's family of anchoring technique and accessories, there are multiple options. As a manufacturer, we obviously developed tailored accessories and concepts; but keep in mind there could be other alternatives available as "custom-made" accessories or via third party companies and marine contractors.

2 – UNDERWATER ANCHORING POINTS WITH ANCHOR LINES



In the underwater anchoring points and anchoring lines anchoring technique and accessories, there are multiple options. As a manufacturer, we obviously developed tailored accessories and concepts; but keep in mind there could be other alternatives as "custom-made" accessories or via third party companies and marine contractors.

3 – ANCHORING STRUTS



In the anchoring struts category of techniques and accessories, there are multiple options. As a manufacturer, we obviously developed tailored accessories and concepts; but keep in mind there could be other alternatives available as "custom-made" accessories or via third party companies and marine contractors.

PILINGS INTRODUCTION

The piling anchoring method is one of the most common and popular approach there is. Providing unmatched stability to the floating dock they hold; they are often the preferred option; that is if the environment and conditions will allow for it.

Generally speaking, the anchoring of a floating dock with pilings will require most of the below conditions:

-Protected (sheltered) location which is not subject to high swells, waves or wakes.

-Water depths in the low to medium range, depending on the types of pilings.

-Tractable nature of seabed; depending on the types of pilings.

CANDOCK'S PILING SYSTEMS

Candock has developed its own piling systems that features noticeable advantages. Being a cost effective, simple and considered as temporary method, it also has its limitations. Through the below section, we will demonstrate the best practices regarding our own piling system.

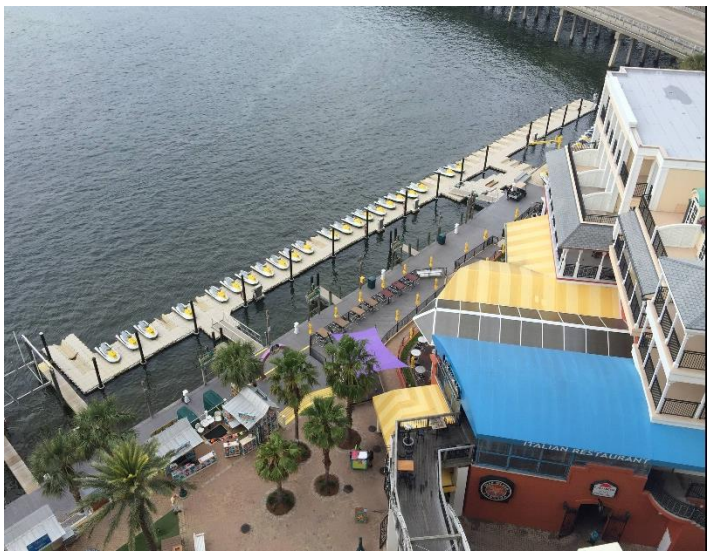
Additionally, Candock has developed accessories that may be included to widen the scope of possibilities they provide. As an example, we stated above that water depths must be in the low to mid-range for the piling approach to be considered. With that in mind, in certain environments where a fixed structure is readily available adjacent to the future floating dock installation, we are proposing accessories that allow for those water depths to be a bit more considerable while maintaining optimal stability. Indeed, by fastening the upper section of the piles onto that fixed structure (seawall, fixed crib dock, fixed dock on posts, etc.…) we can achieve optimal stability while allowing for deeper waters.

OTHER PILING ATTACHEMENT OPTIONS

Candock also developed its own piling attachments to help our customers who already have existing piles in places onto which they can secure their Candock dock. The below section will illustrate the most common accessories Candock has been using in the past years.

CANDOCK'S PILING SYSTEMS

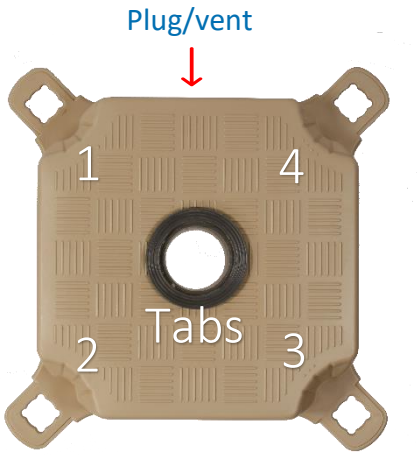
OTHER PILING ATTACHEMENT OPTIONS



POST CUBE + 2 7/8 " X 0.120 GALVANIZED STEEL PILE + 3'' PVC SLEEVE AND CAP

Regular

Low-profile



2 7/8" Steel pile

3" PVC sleeve

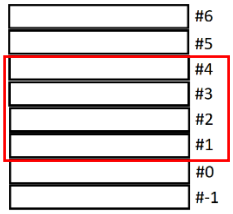
3" PVC cap & Rubber insert

USEFUL LINKS AND RESOURCES:

YouTube

Website

TAB POSITIONS



SPECIFICATIONS

Material/Composition: High-density polyethylene resin, ABS flange, expanded polystyrene, galvanized steel and PVC
Available colors: Beige and Gray
Surface: Anti-skid
Dimensions: L x W: 48 cm (19") x 48 cm (19") H: 36 cm (14")
Dimensions (low profile cube): L x W: 48 cm (19") x 48 cm (19") H: 23 cm (9")
Weight: Cube: 9 kg (20 lbs.) / Low profile cube: 8 kg (17 lbs.)
Needed tools: G2 key for pin, Key for nut, piling bull, piling driver, piling lever, but saw or zip cut grinder, PVC glue and ratchet tool kit

SKU NUMBERS

G2 POST CUBE BEIGE: A0087
G2 POST CUBE GRAY: A0088
LOW PROFILE G2 POST CUBE BEIGE: A0090
LOW PROFILE G2 POST CUBE GRAY: A0089
2 7/8" GALVANIZED STEEL PILE: B0057
3" PVC SLEEVE: A0082
PVC CAP: B0294

TERMINOLOGY

FLANGE: Ultra resistant plastic insert that allows a fluid yet durable system. Allowing the POST CUBE to move up and down on the pile (with tidal or seasonal variations) without any restriction while ensuring a sturdy and durable anchoring method.

ASSEMBLY PROCEDURE

See the CUBE assembly procedure.

IMPORTANT PRINCIPLES

The below principles and notions apply to Candock's piling system in general. It is important that the specifications of the combined products remain unchanged. Outside diameters of both the steel piles and PVC sleeves, as well as the below guidelines are of the outmost importance to ensure proper functioning of the components altogether. See diagrams on following page for additional visual explanations.

WATER DEPTH: Water depths should not exceed 2m (6.6') to ensure optimal stability.

NATURE OF SEABED: The composition of the soil/ground under water must be tractable. I.E. Sand, mud, or small gravel.

PILE PENETRATION: The piles should be inserted in the ground of at 60cm (2'); ideally 90cm (3').

VERTICALITY: All piles should be perfectly vertical after completion of the work. The use of a level is highly recommended.

PROTECTED ENVIRONMENT: Any Candock system that is to be anchored with our piling system should not be subjected to waves of more than 60cm (2'). The Candock's piling system is extremely restrictive in the amount of leeway it will allow to the dock. Thus, agitated waters may translate to premature wear of the components.

CANDOCK'S PILES WORK IN PAIRS: Candock's piling system implies that the piles are to be configured in pairs.

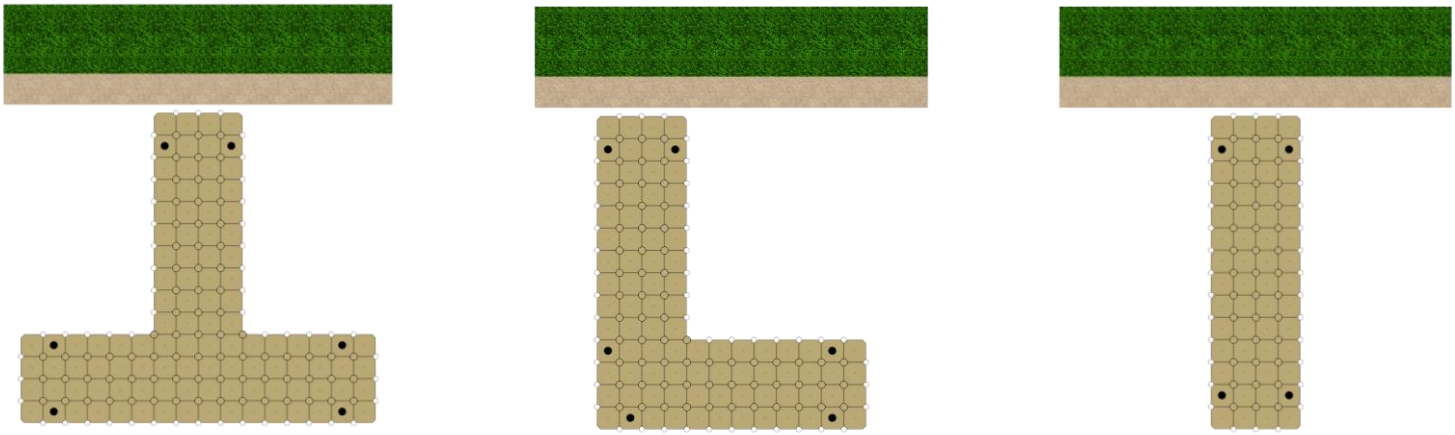
EACH PAIR OF POST CUBES SHOULD BE AT MAXIMAL INTERVALS OF 7m TO 9m (23 TO 30'): To maintain optimal stability and linear geometries, each pair of post cube should not be positioned at the respective distance of more than 9m (30').

POST CUBES SHOULD ALWAYS BE SUPPORTED BY OTHER CUBES ON 3 SIDES.: In other words, a post cube should never be installed on the outside corner of a Candock dock. It should always be recessed inside of 1 cube; on at least 1 side.

POST CUBES SHOULD NEVER RUB DIRECTLY AGAINST THE STELLE PILES: This implies that the lengths of PVC sleeves must always encompass the seasonal or tidal fluctuations of the water levels. Thus, at lowest possible water levels, the PVC sleeve should be going deep enough for the post cube to rub on the PVC sleeve.

PVC CAPS (INCLUDING RUBBER INSERT) ARE MANDADORY: Each pile/PVC sleeve combination should be completed with a glued PVC cap and rubber insert.

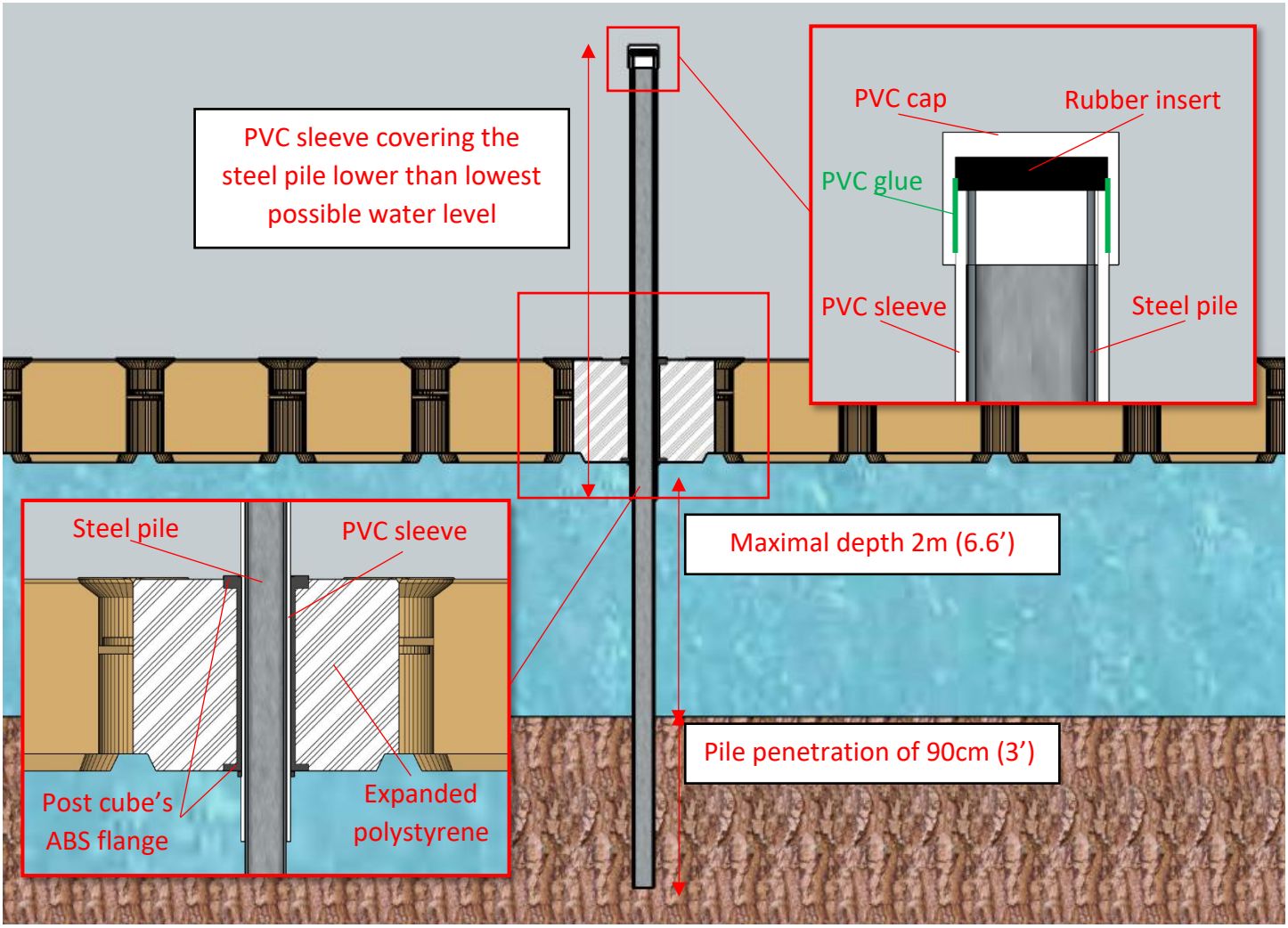
PILE POSITION EXAMPLES



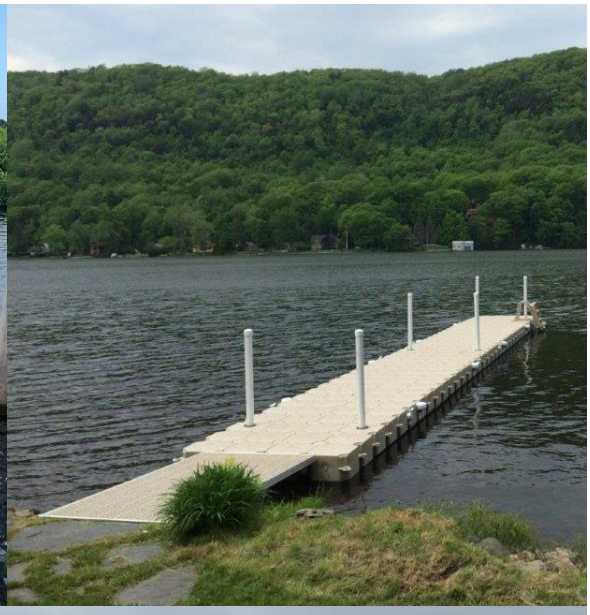
ALL FEATURED PILES ARE WORKING IN PAIRS AND ARE SUPPORTED/SURROUNDED ON AT LEAST 3 SIDES.

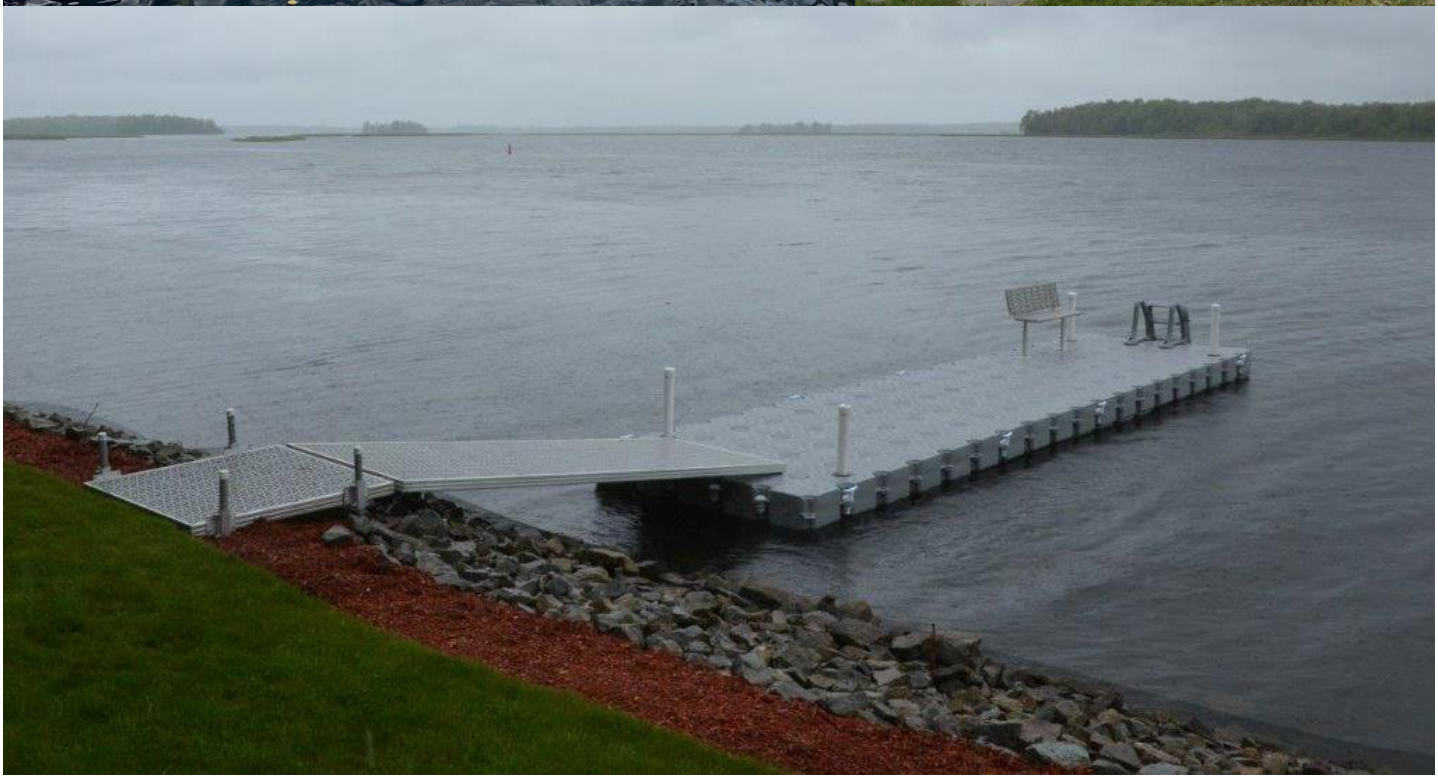
MAXIMAL DISTANCE BETWEEN EACH SET OF PILES IS LESS THAN 9M (30’)

POST CUBE / STELL PILE / PVC SLEEVE AND CAP COMBINATION

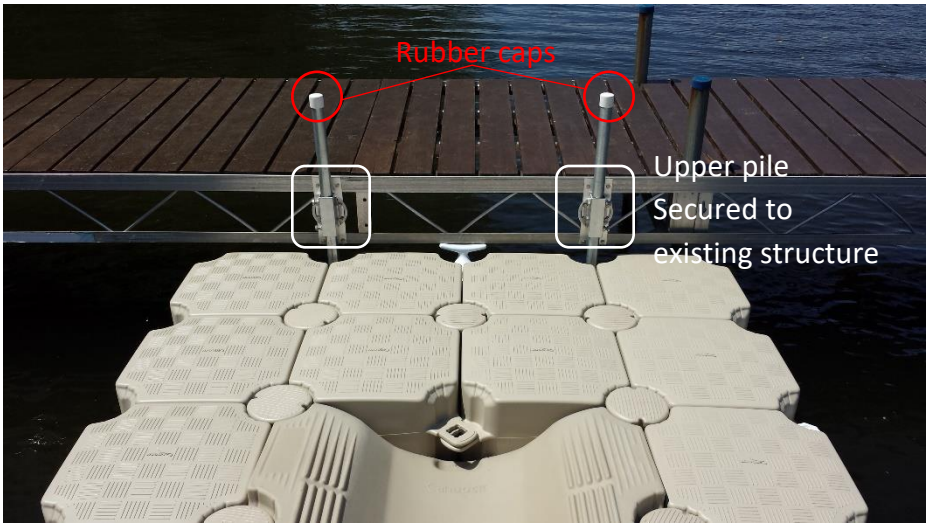


A FEW EXAMPLES





1 11/16 ’’ X 0.10 GALVANIZED STEEL PILE AND CAP



SPECIFICATIONS

Material/Composition: Galvanized steel
Needed tools: 1 11/16’’ pile driver and sledgehammer

SKU NUMBERS

PILE 1 11/16'' X 0.10 GALVANIZED STEEL: B0056
1 11/16'' RUBBER CAP: B0307

IMPORTANT PRINCIPLES

The below principles and notions apply the 1 11/16’’ piling system in general. It is important that the specifications of the combined products remain unchanged. Outside diameters the steel pile, as well as the below guidelines are of the outmost importance to ensure proper functioning of the components altogether.

UPPER SECTION OF THE PILE MUST BE SECURED TO EXISTING FIXED STRUCTURE: Candock provides a few alternatives to secure the top portion of the pile to a shore fixed structure; see lower in this manual for details. Other accessories and hardware may also be acquired locally to perform the task.

PILE SUPPORT FOR 1 11/16’’ STEEL PILE (REGULAR AND ADJUSTABLE)

SHORESIDE PILE SUPPORT FOR 1 11/16’’ STEEL PILE

LOWER SECTION OF THE PILE MUST BE INSERTED IN THE SEABED OF AT LEAST 60cm (2’): See the 1 11/16’’ pile driver and sledgehammer instructions.

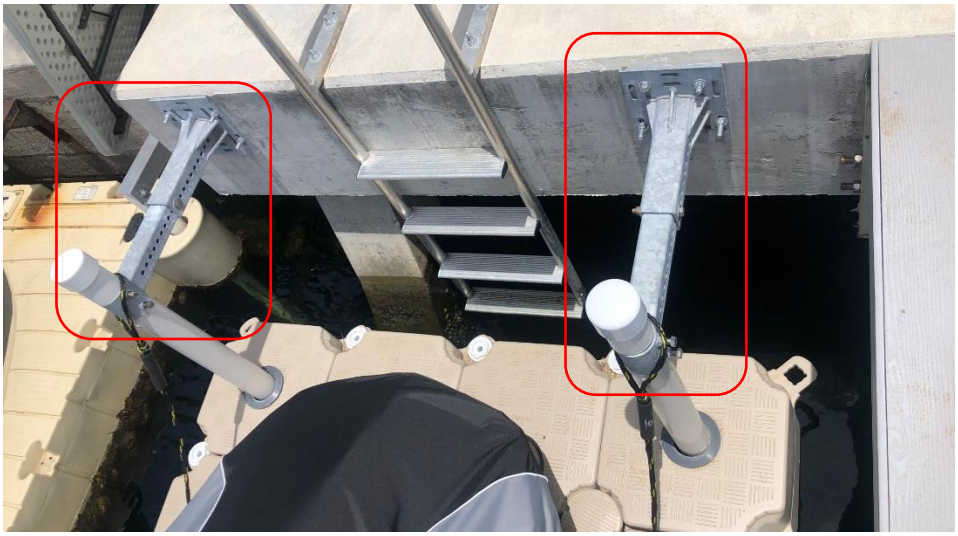
WATER DEPTH SHOULD NOT EXCEED 2.4m (8’): For the pile to provide sufficient rigidity, it is important that the overall free span of the pile does not exceed 2.4m (8’).

VERTICALITY: All piles should be perfectly vertical after completion of the work. The use of a level is highly recommended.

PROTECTED ENVIRONMENT: Any Candock system that is to be anchored with our piling system should not be subjected to waves of more than 60cm (2’). The Candock’s piling system is extremely restrictive in the amount of leeway it will allow to the dock. Thus, agitated waters may translate to premature wear of the components.

CANDOCK’S PILES WORK IN PAIRS: Candock’s piling system implies that the piles are to be configured in pairs; or more.

GALAVANIZED STEEL ADJUSTABLE 2 7/8 '' STEEL PILE SUPPORT



SPECIFICATIONS

Material/Composition: Galvanized steel
Needed tools: 2 7/8'' pile driver, sledgehammer, ratchet tool kit, proper tools and hardware to secure the pile support on the existing fixed structure.

SKU NUMBER

GALAVANIZED STEEL ADJUSTABLE 2 7/8 '' STEEL PILE SUPPORT: B0004

IMPORTANT PRINCIPLES

The below principles and notions apply the GALAVANIZED STEEL ADJUSTABLE 2 7/8 '' STEEL PILE SUPPORT. It is important that the specifications of the combined products remain unchanged. Outside diameters the steel pile, as well as the below guidelines are of the outmost importance to ensure proper functioning of the components altogether.

PILE SUPPORT MUST BE SECURELY BOLTED ON THE EXISTING STRUCTURE: Candock does not provide basic hardware; these should be purchased locally. A proper assessment of the existing structure is essential to ensure a strong assembly.

LOWER SECTION OF THE PILE MUST BE INSERTED IN THE SEABED OF AT LEAST 60cm (2'): See the 2 7/8'' pile driver and sledgehammer instructions.

WATER DEPTH SHOULD NOT EXCEED 3m (10'): For the pile to provide sufficient rigidity, it is important that the overall free span of the pile does not exceed 3m (10').

VERTICALITY: All piles should be perfectly vertical after completion of the work. The use of a level is highly recommended.

PVC SLEEVE: All piles should be covered with a PVC sleeve and Cap to prevent premature wear of the POST CUBES.

PROTECTED ENVIRONMENT: Any Candock system that is to be anchored with our piling system should not be subjected to waves of more than 60cm (2'). The Candock's piling system is extremely restrictive in the amount of leeway it will allow to the dock. Thus, agitated waters may translate to premature wear of the components.

CANDOCK'S PILES WORK IN PAIRS: Candock's piling system implies that the piles are to be configured in pairs; or more.

HDPE PILE GUIDE FOR 2 7/8 '' STEEL PILE

SPECIFICATIONS

Material/Composition: High density polyethylene
Needed tools: 2 7/8'' pile driver, sledgehammer, key for nut, but-saw or zip cut grinder, PVC glue and ratchet tool kit

SKU NUMBER

HDPE PILE GUIDE FOR 2 7/8 '' STEEL PILE: B0351

IMPORTANT PRINCIPLES

The below principles and notions apply the HDPE PILE GUIDE FOR 2 7/8 '' STEEL PILE. It is important that the specifications of the combined products remain unchanged. Outside diameters the steel pile, as well as the below guidelines are of the outmost importance to ensure proper functioning of the components altogether.

UPPER SECTION OF THE PILE MUST BE SECURED TO EXISTING FIXED STRUCTURE: Candock provides a few alternatives to secure the top portion of the pile to a shore fixed structure; see lower in this manual for details. Other accessories and hardware may also be acquired locally to perform the task.

"Z" BRACKET FOR 2 7/8 '' STEEL PILE (16'' AND 6'')

LOWER SECTION OF THE PILE MUST BE INSERTED IN THE SEABED OF AT LEAST 60cm (2'): See the 2 7/8'' pile driver and sledgehammer instructions.

WATER DEPTH SHOULD NOT EXCEED 3m (10'): For the pile to provide sufficient rigidity, it is important that the overall free span of the pile does not exceed 3m (10').

VERTICALITY: All piles should be perfectly vertical after completion of the work. The use of a level is highly recommended.

PVC SLEEVE: All piles should be covered with a PVC sleeve and Cap to prevent premature wear of the HDPE guides.

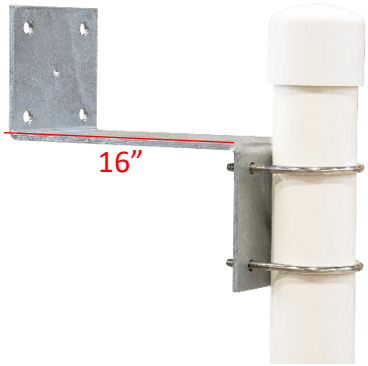
PROTECTED ENVIRONMENT: Any Candock system that is to be anchored with our piling system should not be subjected to waves of more than 60cm (2'). The Candock's piling system is extremely restrictive in the amount of leeway it will allow to the dock. Thus, agitated waters may translate to premature wear of the components.

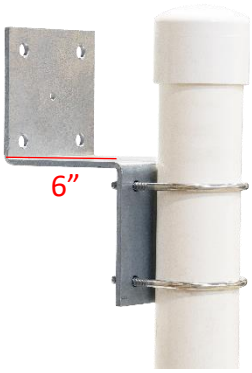
CANDOCK'S PILES WORK IN PAIRS: Candock's piling system implies that the piles are to be configured in pairs; or more.

TIPS

-Make sure to include the needed SPACERS if the tab configuration creates a void in the assembly

“Z” BRACKET FOR 2 7/8 ‘’ STEEL PILE (16” AND 6”)





SPECIFICATIONS

Material/Composition: Galvanized steel
Needed tools: 2 7/8” pile driver, sledgehammer, ratchet tool kit, proper tools and hardware to secure the Z Brackets on the existing fixed structure.

SKU NUMBERS

“Z” BRACKET FOR 2 7/8 ‘’ STEEL PILE (16”): B0371
“Z” BRACKET FOR 2 7/8 ‘’ STEEL PILE (6”): B0370

IMPORTANT PRINCIPLES

The below principles and notions apply the “Z” BRACKET FOR 2 7/8 ‘’ STEEL PILE (16” AND 6”). It is important that the specifications of the combined products remain unchanged. Outside diameters the steel pile, as well as the below guidelines are of the outmost importance to ensure proper functioning of the components altogether. The best option between the 16” and 6” will depend on the desired application. Generally, if the combination includes a POST CUBE, the 16” model will prevail. For any other combination, the 16’’ or 6” will work.

Z BRACKET MUST BE SECURELY BOLTED ON THE EXISTING STRUCTURE: Candock does not provide basic hardware; these should be purchased locally. A proper assessment of the existing structure is essential to ensure a strong assembly.

LOWER SECTION OF THE PILE MUST BE INSERTED IN THE SEABED OF AT LEAST 60cm (2’): See the 2 7/8” pile driver and sledgehammer instructions.

WATER DEPTH SHOULD NOT EXCEED 3m (10’): For the pile to provide sufficient rigidity, it is important that the overall free span of the pile does not exceed 3m (10’).

VERTICALITY: All piles should be perfectly vertical after completion of the work. The use of a level is highly recommended.

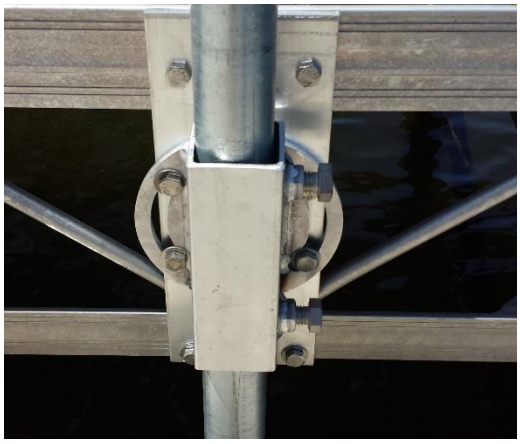
PVC SLEEVE: All piles should be covered with a PVC sleeve and Cap to prevent premature wear of the POST CUBES.

PROTECTED ENVIRONMENT: Any Candock system that is to be anchored with our piling system should not be subjected to waves of more than 60cm (2’). The Candock’s piling system is extremely restrictive in the amount of leeway it will allow to the dock. Thus, agitated waters may translate to premature wear of the components.

CANDOCK’S PILES WORK IN PAIRS: Candock’s piling system implies that the piles are to be configured in pairs; or more.

PILE SUPPORT FOR 1 11/16'' STEEL PILE (REGULAR AND ADJUSTABLE)

Regular



Adjustable

SPECIFICATIONS

Material/Composition: Aluminum
Needed tools: 1 11/16'' pile driver, sledgehammer, ratchet tool kit, proper tools and hardware to secure the pile support on the existing fixed structure.

SKU NUMBERS

PILE SUPPORT FOR 1 11/16'' STEEL PILE REGULAR: B0188
PILE SUPPORT FOR 1 11/16'' STEEL PILE ADJUSTABLE: B0108

IMPORTANT PRINCIPLES

The below principles and notions apply the PILE SUPPORT FOR 1 11/16'' STEEL PILE (REGULAR AND ADJUSTABLE). It is important that the specifications of the combined products remain unchanged. Outside diameters the steel pile, as well as the below guidelines are of the outmost importance to ensure proper functioning of the components altogether. These accessories allow for a wide array of application and thus, the list of possibilities will not be elaborated. Nevertheless, the below principles will apply. Please contact Candock or your local distributor to gather more insight on the potential application that Candock approves for these accessories.

PILE SUPPORT MUST BE SECURELY BOLTED ON THE EXISTING STRUCTURE: Candock does not provide basic hardware; these should be purchased locally. A proper assessment of the existing structure is essential to ensure a strong assembly.

LOWER SECTION OF THE PILE MUST BE INSERTED IN THE SEABED OF AT LEAST 60cm (2')*: See the 1 11/16'' pile driver and sledgehammer instructions.

*EXCEPTIONS MAY APPLY DEPENDING ON APPLICATION, ENVIRONMENT AND GEOMETRIES.

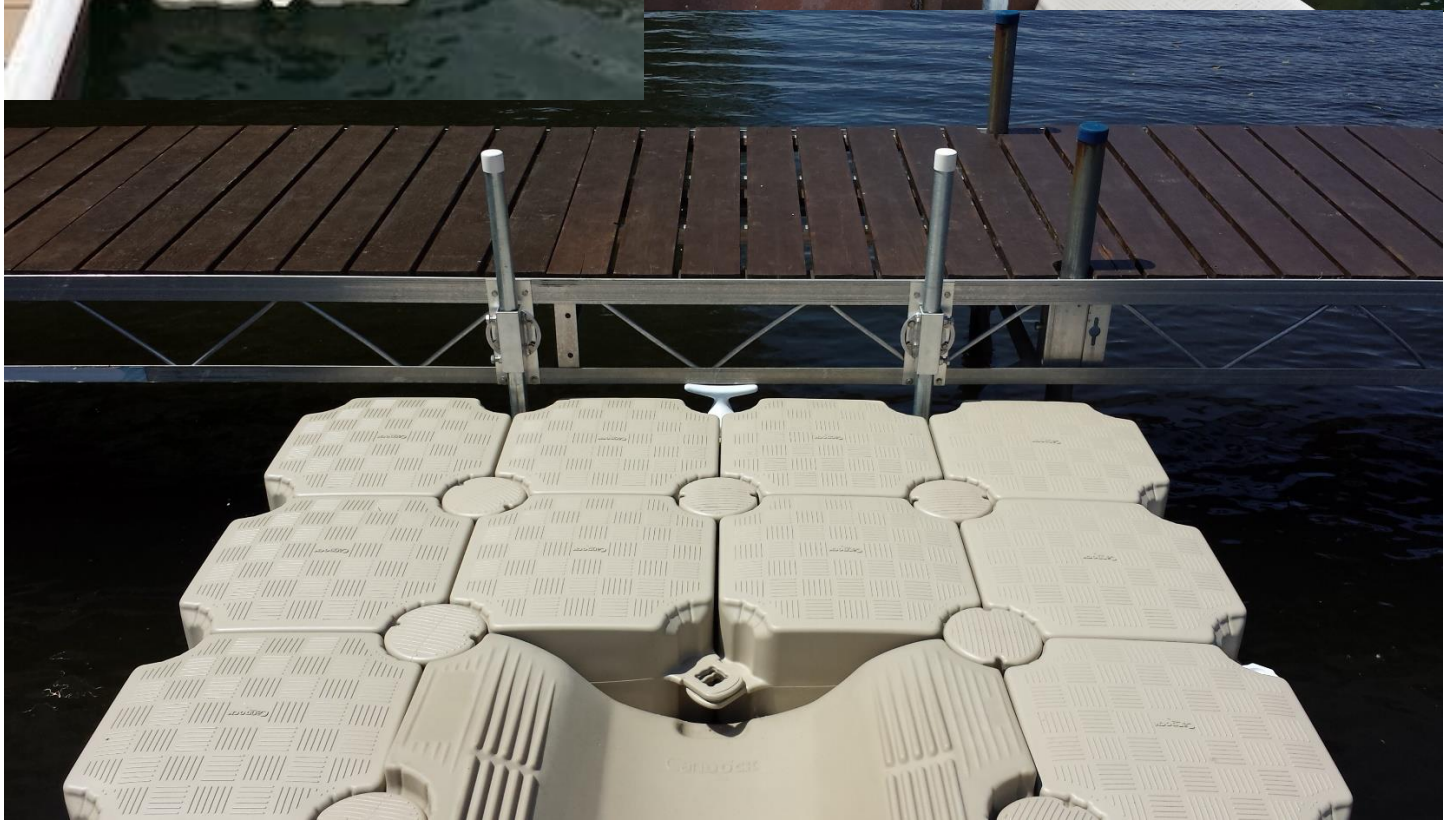
WATER DEPTH SHOULD NOT EXCEED 2.4m (8'): For the pile to provide sufficient rigidity, it is important that the overall free span of the pile does not exceed 2.4m (8').

VERTICALITY: All piles should be perfectly vertical after completion of the work. The use of a level is highly recommended.

PROTECTED ENVIRONMENT: Any Candock system that is to be anchored with our piling system should not be subjected to waves of more than 60cm (2'). The Candock's piling system is extremely restrictive in the amount of leeway it will allow to the dock. Thus, agitated waters may translate to premature wear of the components.

CANDOCK'S PILES WORK IN PAIRS: Candock's piling system implies that the piles are to be configured in pairs; or more.

A FEW EXAMPLES



EXTENDED PILE SUPPORT FOR 1 11/16'' STEEL PILE

SPECIFICATIONS

Material/Composition: Aluminum
Needed tools: 1 11/16'' pile driver, sledgehammer, ratchet tool kit, proper tools and hardware to secure the extended pile support on the existing fixed structure.

SKU NUMBER

EXTENDED PILE SUPPORT FOR 1 11/16'' STEEL PILE: B0274

IMPORTANT PRINCIPLES

The below principles and notions apply the EXTENDED PILE SUPPORT FOR 1 11/16'' STEEL PILE. It is important that the specifications of the combined products remain unchanged. Outside diameters the steel pile, as well as the below guidelines are of the outmost importance to ensure proper functioning of the components altogether. This accessory: while being very similar to the PILE SUPPORT FOR 1 11/16'' STEEL PILE (REGULAR AND ADJUSTABLE), allows for more leeway to potential upwards water fluctuations.

EXTENDED PILE SUPPORT MUST BE SECURELY BOLTED ON THE EXISTING STRUCTURE: Candock does not provide basic hardware; these should be purchased locally. A proper assessment of the existing structure is essential to ensure a strong assembly.

LOWER SECTION OF THE PILE MUST BE INSERTED IN THE SEABED OF AT LEAST 60cm (2'): See the 1 11/16'' pile driver and sledgehammer instructions.

WATER DEPTH SHOULD NOT EXCEED 2.4m (8'): For the pile to provide sufficient rigidity, it is important that the overall free span of the pile does not exceed 2.4m (8').

VERTICALITY: All piles should be perfectly vertical after completion of the work. The use of a level is highly recommended.

PROTECTED ENVIRONMENT: Any Candock system that is to be anchored with our piling system should not be subjected to waves of more than 60cm (2'). The Candock's piling system is extremely restrictive in the amount of leeway it will allow to the dock. Thus, agitated waters may translate to premature wear of the components.

CANDOCK'S PILES WORK IN PAIRS: Candock's piling system implies that the piles are to be configured in pairs; or more.

OTHER PILING ATTACHEMENT OPTIONS

ADJUSTABLE PILE GUIDE FOR EXISTING PILES OF 15cm TO 38cm O/D (6'' TO 15'')

SPECIFICATIONS

Material/Composition: Stainless steel 316L and high-density polyethylene
Needed tools: Key for nut, zip cut grinder and ratchet tool kit
*Lug connector and nut not included.

SKU NUMBER

ADJUSTABLE PILE GUIDE FOR EXISTING PILES OF 15cm TO 38cm O/D (6'' TO 15''): B0342

ASSEMBLY PROCEDURE

1-Using the 2 needed LUG CONNECTORS and NUTS, secure the stainless-steel mount onto the cube assembly.

2-Using the supplied hardware, fasten the adjustable 90 degrees "bumper" at ideal position depending on the pile position.

3-Adjust the cable length and rollers quantity to optimize vertical movement while eliminating lateral movements.

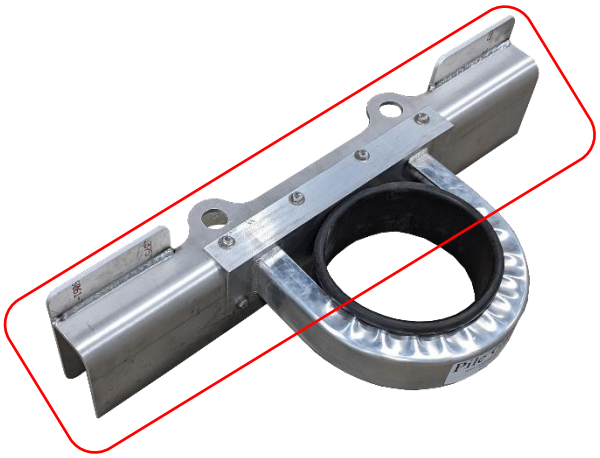
4-Firmly tighten the NUTS onto the LUG CONNECTORS.

Proper hardware is already included in the bracket kit

TIPS

-Make sure to include the needed SPACERS if the tab configuration creates a void in the assembly.

PILE GLIDE ADAPTOR (CAROLINA WATER WORKS - ALUMINUM OR GALVANIZED STEEL)



SPECIFICATIONS

Material/Composition: Aluminum or galvanized steel
Needed tools: Key for nut and ratchet tool kit
*Lug connector and nut not included.
**Pile guide attachment not included

SKU NUMBERS

PILE GLIDE ADAPTOR (CAROLINA WATER WORKS - ALUMINUM): B0010
PILE GLIDE ADAPTOR (CAROLINA WATER WORKS – GALVANIZED STEEL): B0306

ASSEMBLY PROCEDURE

1-Using the 2 needed LUG CONNECTORS and NUTS; as well as the designated hardware, secure the PILE ADAPTOR mount onto the cube assembly.

2-Fasten the PILE GLIDE or other pile guide products onto the adaptor using adequate hardware. Candock does not provide any hardware; these should be purchased locally. A proper assessment of the selected pile guide is essential to ensure a strong assembly.

3-Firmly tighten all the hardware and NUTS onto the LUG CONNECTORS.

TIPS

-Make sure to include the needed SPACERS if the tab configuration creates a void in the assembly.

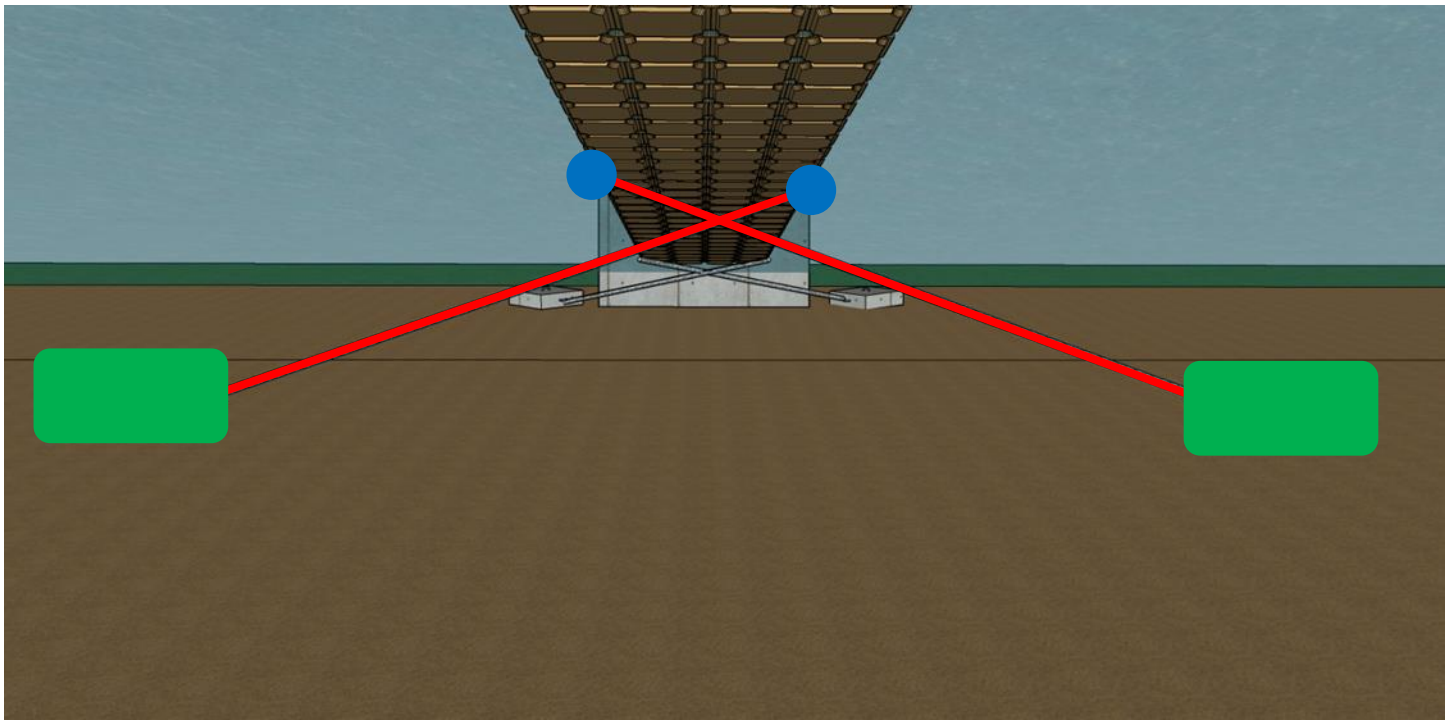
CANDOCK'S UNDERWATER ANCHORING SYSTEMS

The underwater anchoring points with anchor lines approach is also a widely employed technique. Generally speaking, the anchoring of a floating dock using this technique will impose less restrictions. There is a wide variety of options in regards with the components but also a lot of possibilities through the multitude of possible combinations. This technique can easily be broken down in 3 separate categories of accessories:

1-Connecting mechanism to the floating dock

2-Anchor line

3-Anchoring point in the seabed or lakebed/riverbed.



CANDOCK'S REGULAR ANCHORING METHOD AND ACCESSORIES

Candock has also developed its own array of anchoring components. Due to the specificities of our Modular Floating Dock systems, the readily available hardware and accessories on the market were simply inadequate. Thus, through the past 2 decades, we have perfected and developed accessories for each of the 3 above mentioned categories.

Because of the noteworthy durability and resilience of our floating dock systems, each of the components have designed to outperform any other floating dock system on the market. The flexibility and "energy absorbing" nature of our systems has made Candock world-renowned for its unmatched durability and resilience.

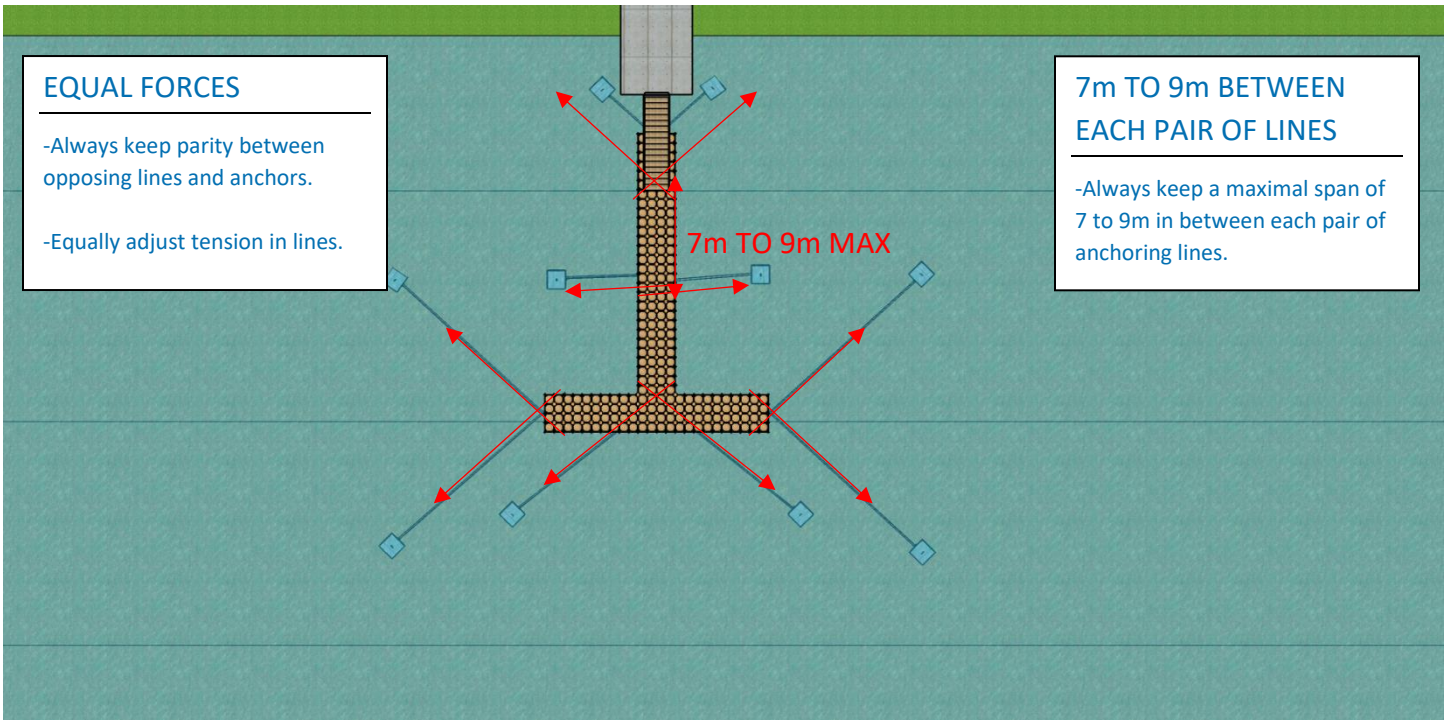
CANDOCK'S "OPEN SEA" ANCHORING METHOD AND ACCESSORIES Δ Δ Δ

Recently, Candock has also developed a revolutionary anchoring approach that is literally setting the brand apart from its competitors. Indeed, as our systems are extremely resilient, we've developed a unique combination of accessories while perfecting the geometries we used to work with, to ultimately develop the strongest and most resilient **OPEN SEA CONDITIONS** anchoring method available for a modular floating dock system like Candock. Look for the 3 Alpha signs (**Δ Δ Δ**) through the following sections to distinguish the related accessories.

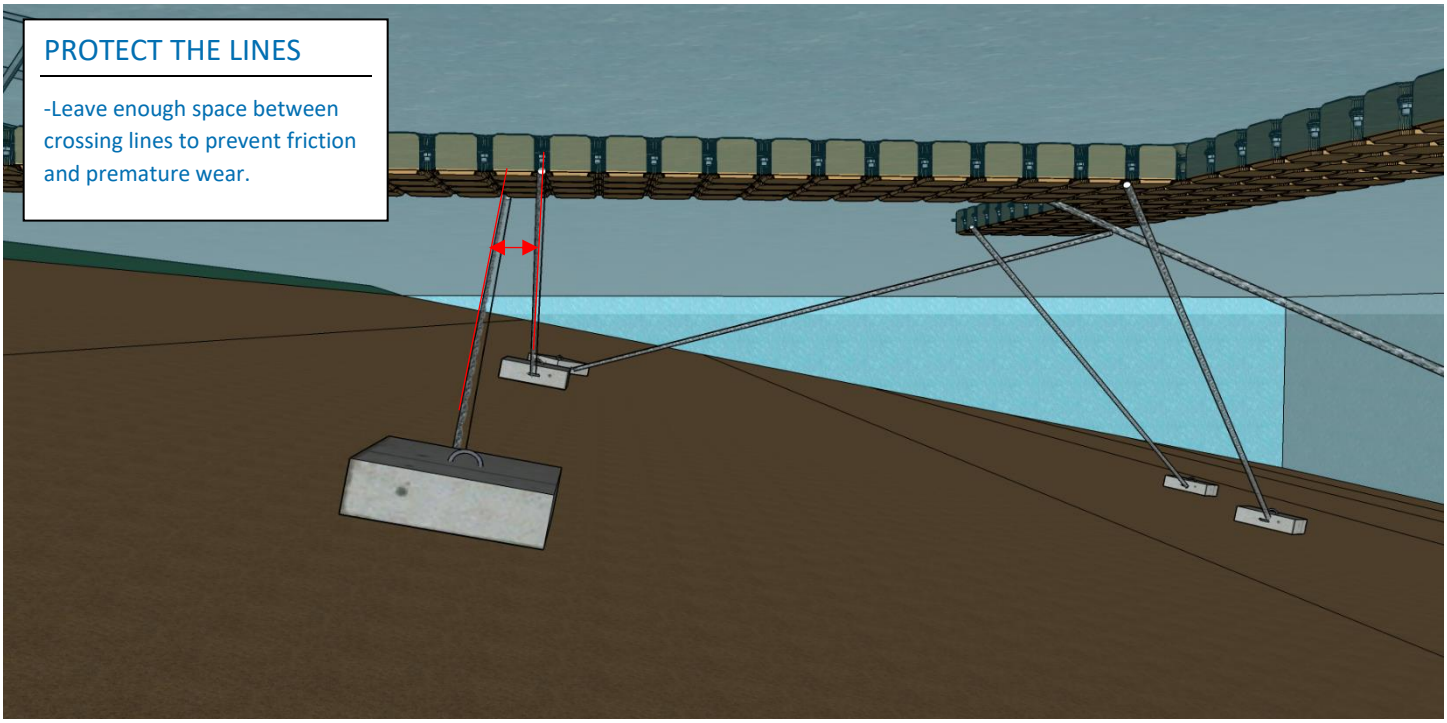
*FOR THIS ANCHORING TECHNIQUE, IT IS HIGHLY RECOMMENDED THAT A QUALIFIED CANDOCK TECHNICIAN IS TO BE PRESENT DURING INSTALLATION TO SUPPERVISE THE PROJECT.

The below section will elaborate on the fundamentals of our systems while highlighting the best practices in regards with this anchoring technique.

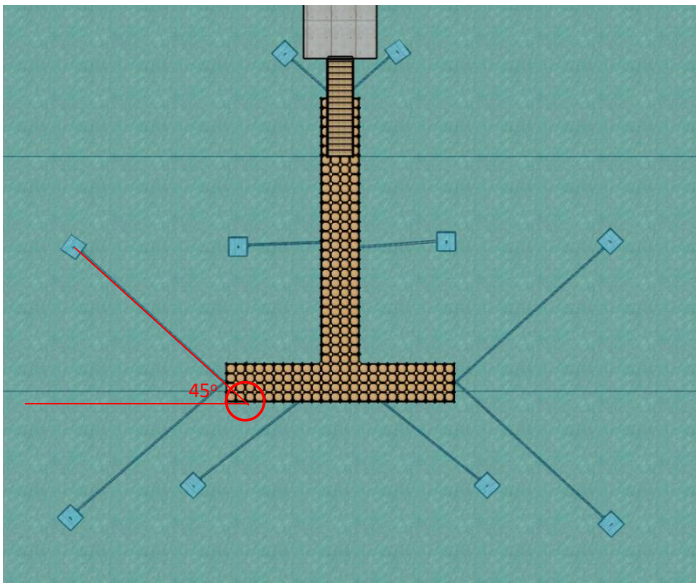
1-PARITY IN APPLIED FORCES AND LINE SPACING



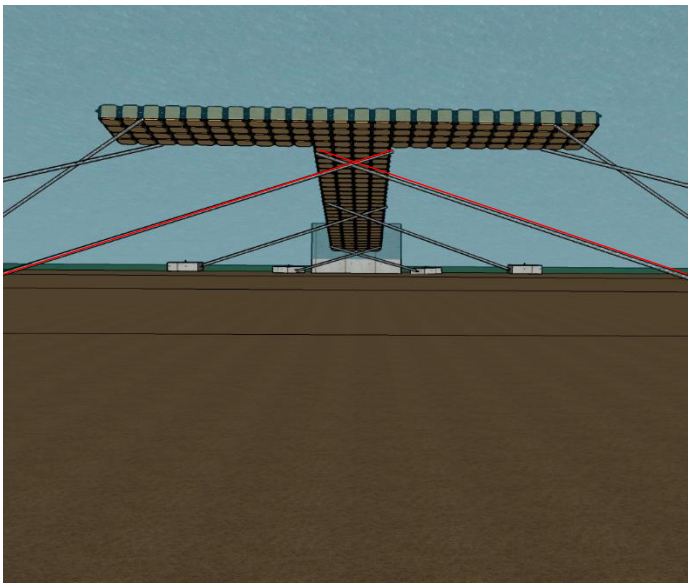
2-SPACE BETWEEN THE ANCHOR LINES



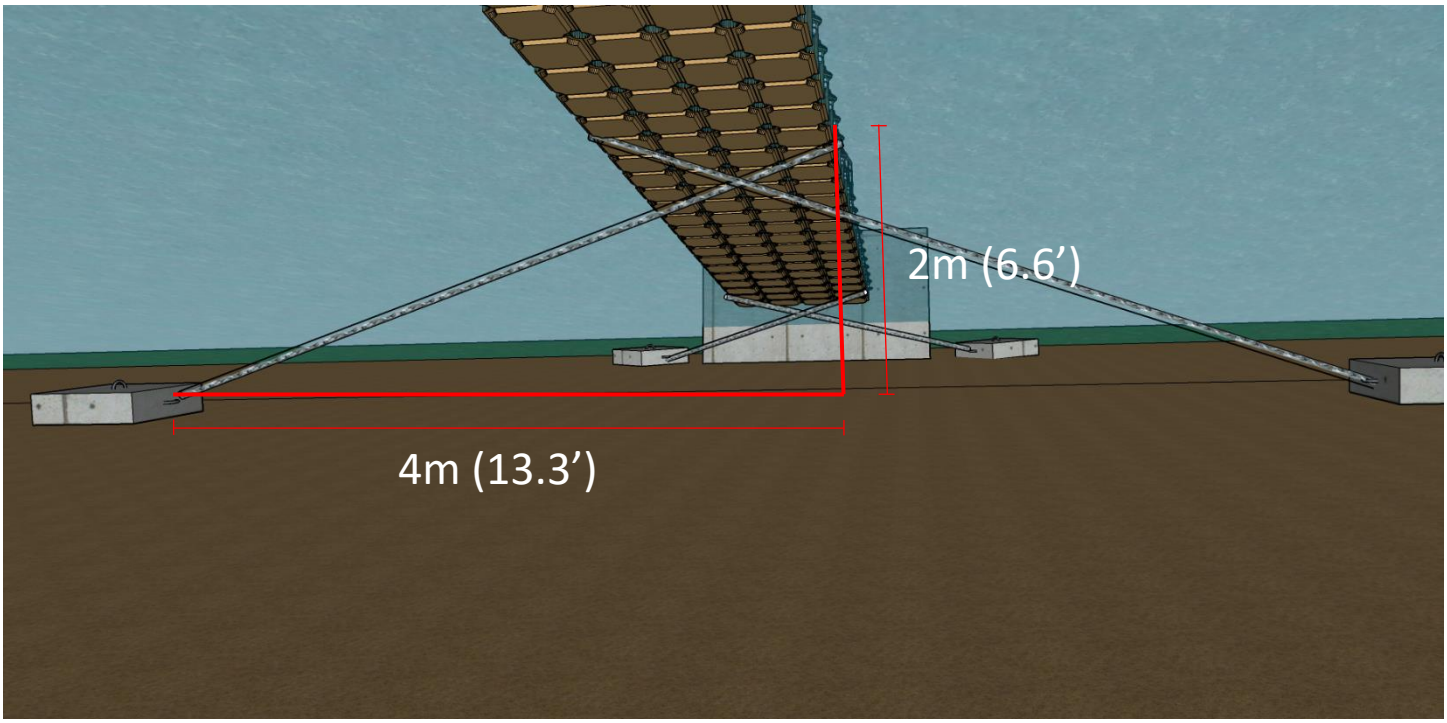
3-THE 45º RULE



4-THE CRISS CROSS RULE



4- THE 2 FOR 1 RULE



In the below pages, we will illustrate different concepts and basic rules for general information purposes only. Indeed, this anchoring method and the anchoring components it utilizes are quite particular in the way they all work together. Thus, each potential project must be meticulously analyzed to determine its viability.

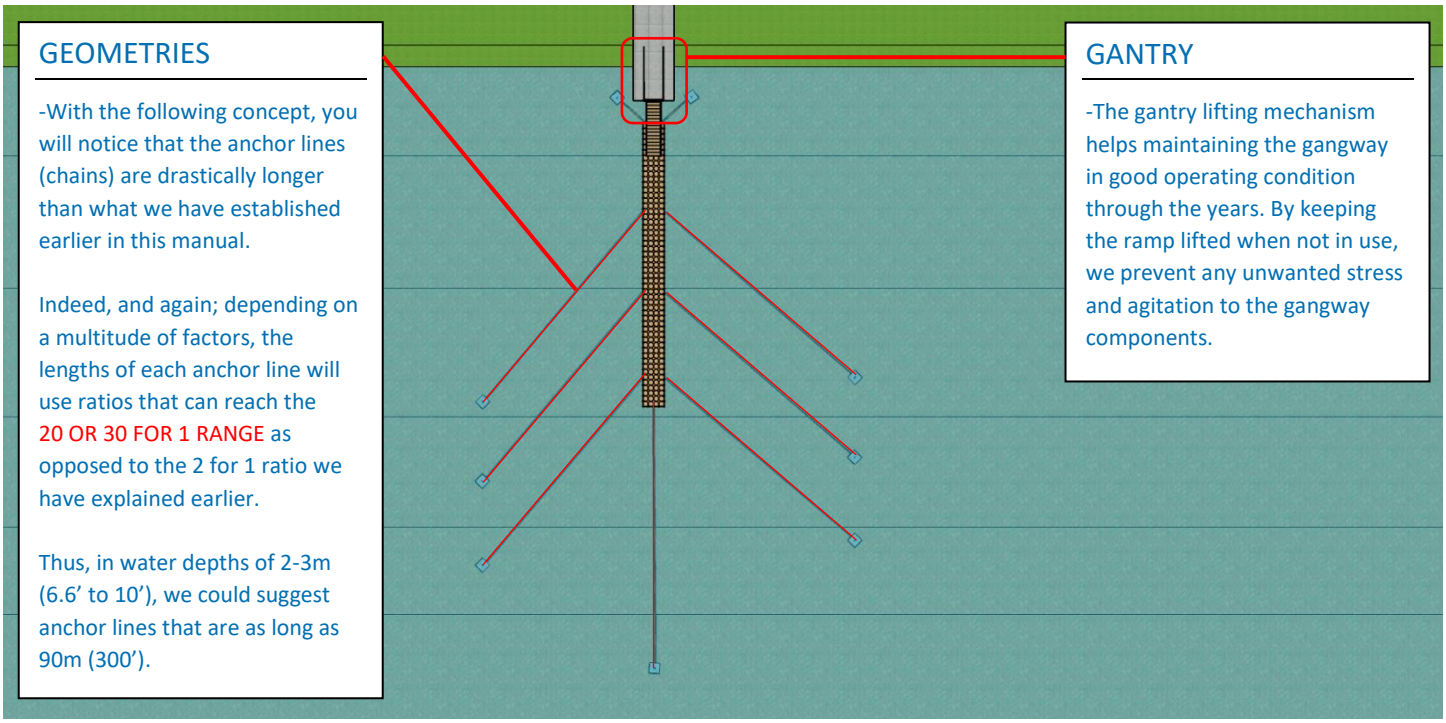
Depending on the type of floating system you are envisioning; the gauge of chains and shackles, as well as the anchor types and specifications will greatly vary. How you determine these accessories will depend on a multitude of factors such as: the environment, the intended usage for the dock (temporary or permanent boat mooring, type of vessels, tidal variations, water currents, etc.), the regulations in place as well as the available equipment to proceed to the installation of the dock and it's anchoring components.

To ensure optimal stability and resilience, we have drastically increased the gauges of the components. Much bigger chains (gauges of 160mm (5/8'') or 220mm (7/8''), longer sections of chains as well as our much bulkier HEAVY DUTY "OPEN SEA" ANCHOR RING FOR CHAIN (see page 68); are all specific components we've adapted to the anchoring of a Candock system in exposed waters conditions.

To determine the proper gauge and lengths of chain (GEOMTERIES), type of anchors and other important aspect of any given project; please refer to Candock's head offices.

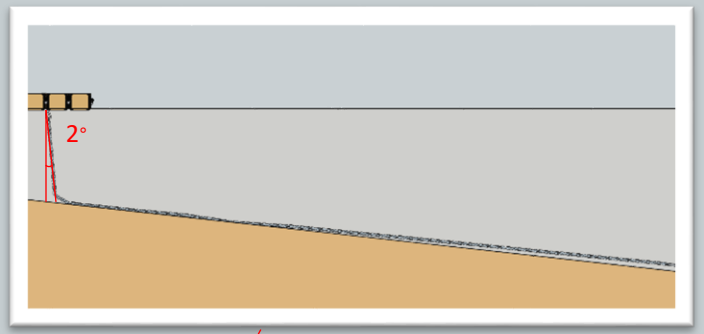
Furthermore, to ensure optimal performances of the whole concept, a specific access mechanism should be considered. Indeed, by including a lifting mechanism to the access gangway (GANTRY), we therefore insure that regardless of the sea conditions, the floating dock is able to move freely in the waves as it is intended without compromising the aluminum access ramp that creates the link between the shoreline and the floating system.

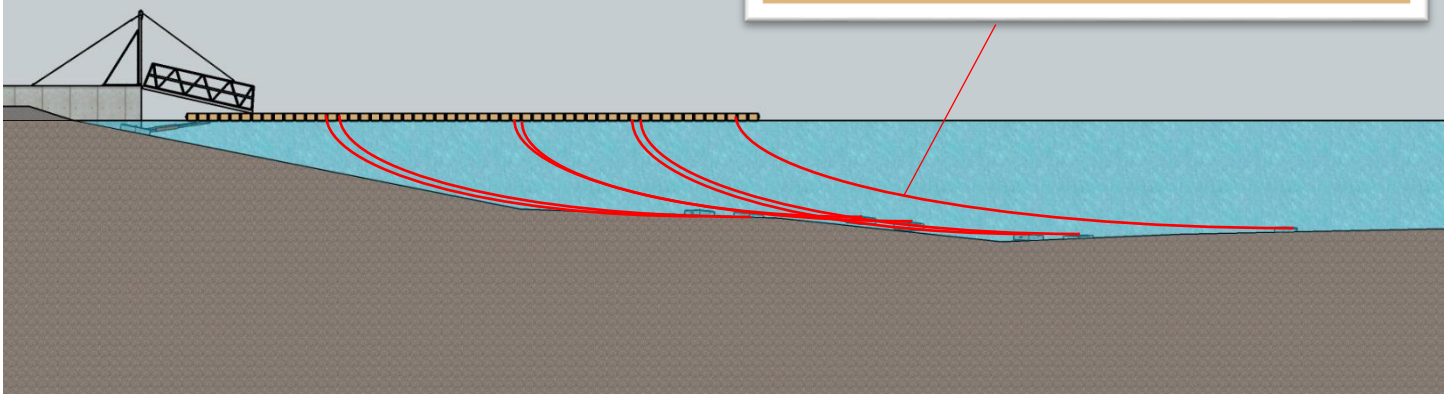
Here are some basic, yet important principles and guidelines for any "open/exposed water conditions".

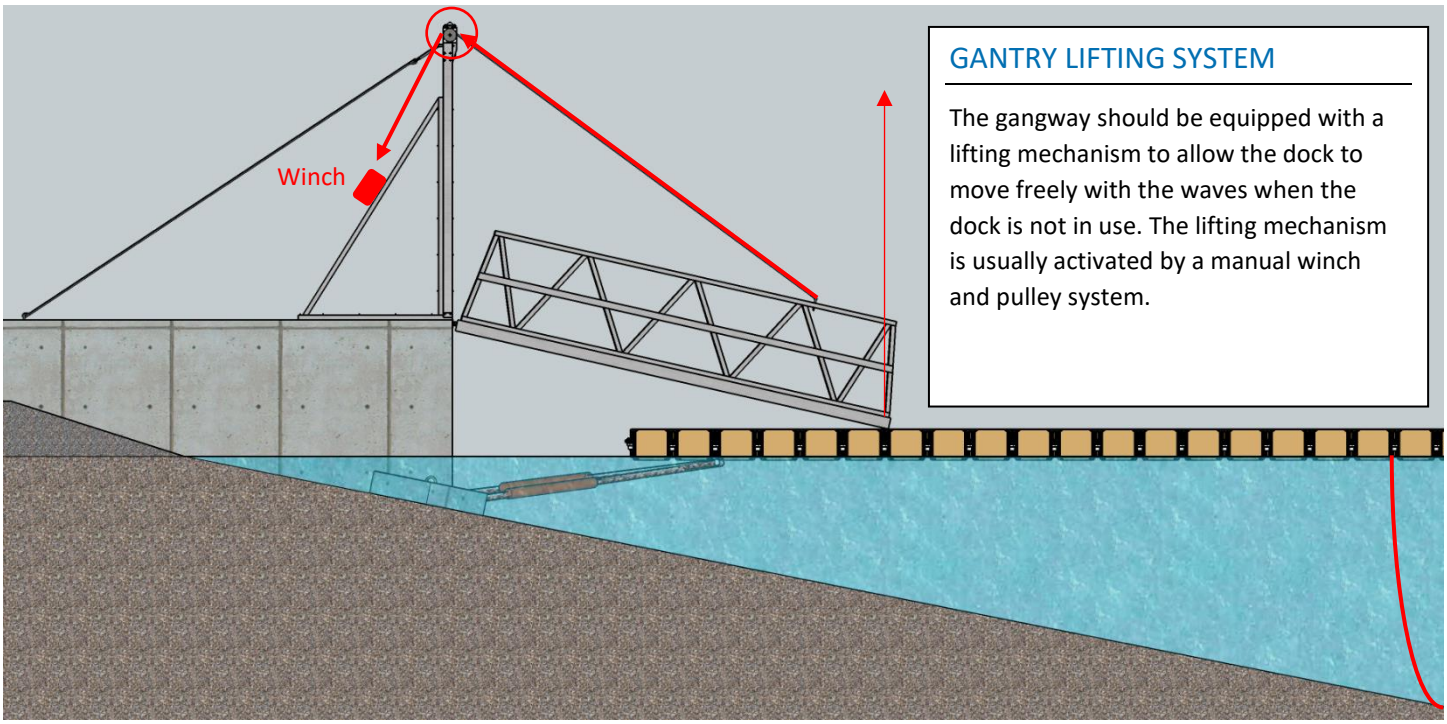


CHAIN WEIGHTS AND LAYOUTS

By using much heavier chains, we achieve a tremendous amount of stability while allowing tidal (or seasonal) fluctuations of the water level. The anchor line drops directly to the seabed just because of its own weight.
Ideal angle at connection point to dock is +/- 2 degrees.

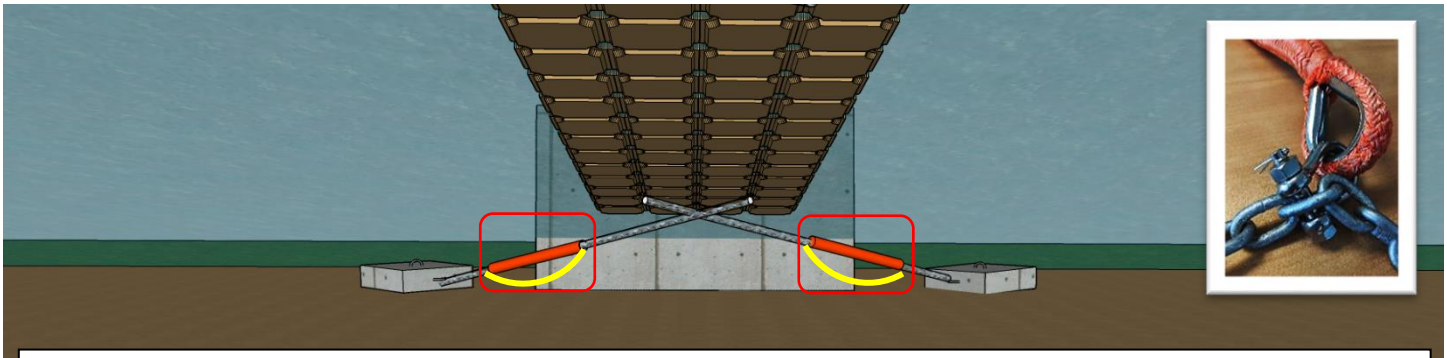






GANTRY LIFTING SYSTEM

The gangway should be equipped with a lifting mechanism to allow the dock to move freely with the waves when the dock is not in use. The lifting mechanism is usually activated by a manual winch and pulley system.

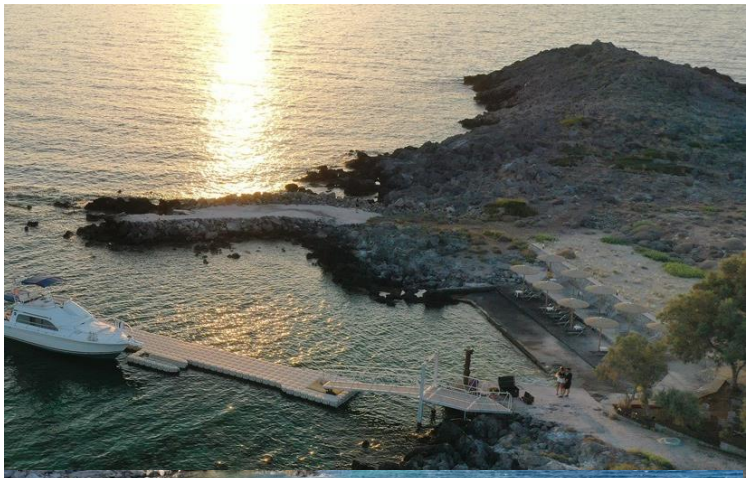


SHORE-END ENERGY ABSORBING SYSTEM

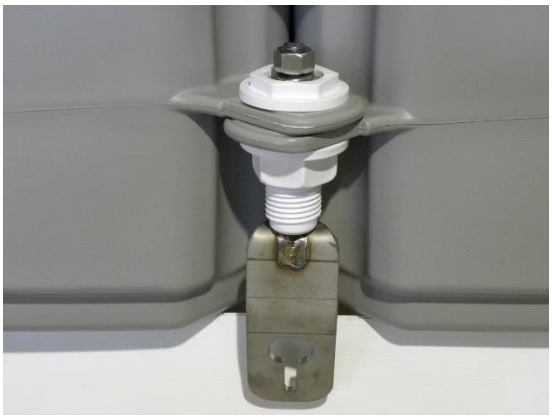
The shore end of the anchoring system should be equipped with our ELASTIC ACNHORING CABLES (TMS) in order to dampen the movements of the dock. Tension in the bungee should be between 180kg and 270kg(400 and 600 lbs). To apply tension on the bungee we usually use a winch or the Come-a-Long Power Cable Puller.

It is also suggested to include **auxiliary chains** on those 2 anchor lines. These auxiliary lines are there to secure the dock in the event that the elastic anchoring cables (TMS) would fail.

A FEW EXAMPLES



ANCHOR PLATE FOR CHAIN



SPECIFICATIONS

Material/Composition: stainless steel 316
SWL: 975kg (2145 lbs.)
Needed tools: Key for nut and ratchet tool kit
*Lug connector and nut NOT included

SKU NUMBER

ANCHOR PLATE FOR CHAIN: B0150

ASSEMBLY PROCEDURE

Insert the ANCHOR PLATE FOR CHAIN into the LUG CONNECTOR and firmly secure it with the provided hardware.

TIP

Make sure to angle it in the desired direction prior to final tightening.

ANCHOR RING FOR CHAIN

SPECIFICATIONS

Material/Composition: Stainless steel 304 (regular); Stainless steel 316 (HD)
SWL: 975kg (2145 lbs.)
Needed tools: Key for nut and ratchet tool kit
*Lug connector and nut NOT included

SKU NUMBERS

REGULAR ANCHOR RING FOR CHAIN: B0064
HD ANCHOR RING FOR CHAIN: B0103

ASSEMBLY PROCEDURE

1-Insert the ANCHOR RING FOR CHAIN into the LUG CONNECTOR and firmly secure it with the provided hardware.

HEAVY DUTY “OPEN SEA” ANCHOR RING FOR CHAIN Δ Δ Δ

SPECIFICATIONS

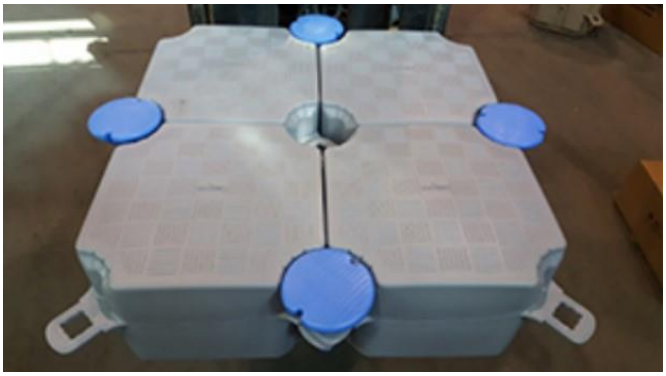
Material/Composition: Stainless steel 316
SWL: 1818kg (4000 lbs.)
Needed tools: Rubber mallet, ratchet tool kit and/or key wrenches (2x)

SKU NUMBERS

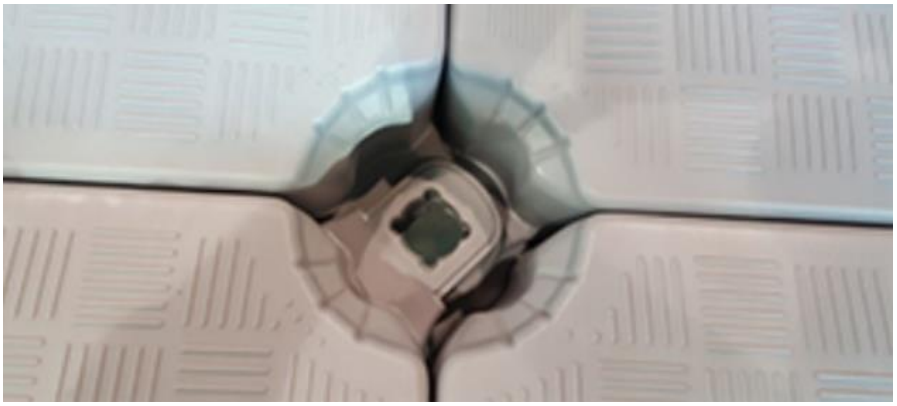
HEAVY DUTY “OPEN SEA” ANCHOR RING FOR CHAIN BEIGE: B0284
HEAVY DUTY “OPEN SEA” ANCHOR RING FOR CHAIN GRAY: B0019

ASSEMBLY PROCEDURE

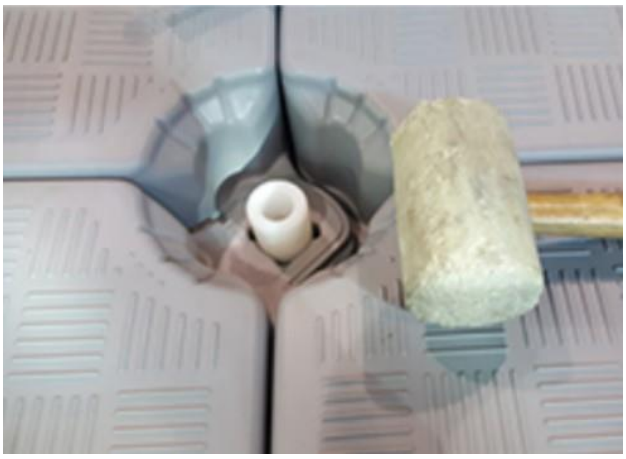
1-Assemble the cubes in a “4-pack” configuration and leave the center opening free.

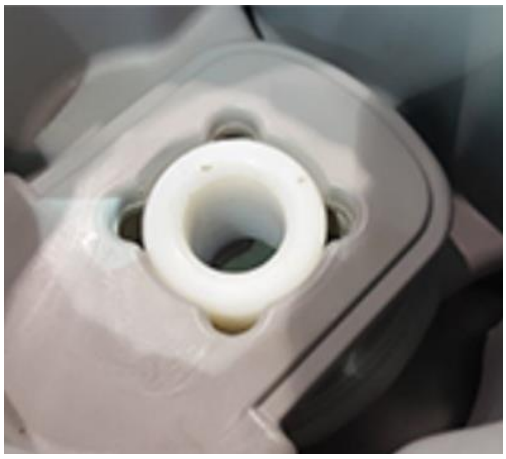


2-Make sure the tabs openings are perfectly aligned to create a clear opening.



3-With a rubber mallet, push the plastic sleeve down until it is flush with the top surface of tab #4.





4-Relying on the provided instruction sheet, assemble and tighten the anchor ring in the same order as it was provided in the box.

5-Insert the “pin-cover” and let the bungee out on the top surface through the opening on the pin. Make a double knot and put the excess of material back in the hole. With the rubber mallet, put the black plastic plug in place to close the hole.

CONNECTING PIN WITH PIVOTING ANCHOR PLATE FOR CHAIN

SPECIFICATIONS

Material/Composition: High-density polyethylene resin, concrete and stainless steel 316
Available colors: Beige and Gray
SWL: 1750kg (3850 lbs)
Needed tools: Key for pin
*Sliding nut NOT included

SKU NUMBERS

CONNECTING PIN WITH PIVOTING ANCHOR PLATE FOR CHAIN BEIGE: B0241
CONNECTING PIN WITH PIVOTING ANCHOR PLATE FOR CHAIN GRAY: B0242

ASSEMBLY PROCEDURE

1-Disassemble the pivoting plate from the main shaft and set plate and dowel aside.

2-Screw the connecting pin part at the desired location.

3-Laying belly down on the dock; reach down under the dock and reconnect the pivoting plate and dowel to the main shaft.

NOTICE

The CONNECTING PIN WITH PIVOTING ANCHOR PLATE FOR CHAIN has been designed to be installed on the edge of Candock system that has EDGE CUBE perimeter. If you wish to install this anchoring accessory on a regular Candock system (no EDGE CUBE), you will most likely have to go in the water to complete the last step of the process.

CONNECTING PIN WITH ANCHOR RING FOR CHAIN (CONCRETE FILLED)

SPECIFICATIONS

Material/Composition: High-density polyethylene resin, concrete and stainless steel 316
Available colors: Beige and Gray
SWL: 2200kg (4840 lbs)
Needed tools: Key for pin
*Sliding nut NOT included

SKU NUMBERS

CONNECTING PIN WITH ANCHOR RING FOR CHAIN (CONCRETE FILLED) BEIGE: B0210
CONNECTING PIN WITH ANCHOR RING FOR CHAIN (CONCRETE FILLED) GRAY: B0209

ASSEMBLY PROCEDURE

1-Screw the CONNECTING PIN WITH ANCHOR RING FOR CHAIN (CONCRETE FILLED) at the desired location.

TIP

Since the connecting point with the anchor line is often located directly underneath the floating dock, the CONNECTING PIN WITH ANCHOR RING FOR CHAIN (CONCRETE FILLED) provides the advantage of potentially discouraging any malicious person from stealing your floating system.

“HOT DIPPED” GALVANIZED STEEL CHAINS

SPECIFICATIONS

Material/Composition: Hot-dipped galvanized steel

SKU NUMBERS

CHAIN GALVANIZED STEEL, 5/16'', GRADE 30, /FT: B0049
CHAIN GALVANIZED STEEL, 3/8'', GRADE 30, /FT: B0236
CHAIN GALVANIZED STEEL, 5/8'', GRADE 30, /FT: B0332
CHAIN GALVANIZED STEEL, 7/8'', GRADE 30, /FT: B0248

SHACKLES

SPECIFICATIONS

Material/Composition: Hot-dipped galvanized steel or stainless steel 316L.

SKU NUMBERS

SHACKLE GALVANIZED STEEL, 5/16'': B0054
SHACKLE SAFETY BOLT BOW GALVANIZED STEEL, 3/8'': B0339
SHACKLE SAFETY BOLT BOW GALVANIZED STEEL, 5/8'': B0340
SHACKLE SAFETY BOLT BOW GALVANIZED STEEL, 7/8'': B0341
SHACKLE STAINLESS STEEL 316, 7/16'', LOCK: B0255

ELASTIC ACNHORING CABLES (TMS)

SPECIFICATIONS

Material/Composition: Stainless steel 316 L eyelet, natural latex and Polyester sheath
SWL: 455kg (1000lbs)
MBS: 3181kg (7000lbs)
Elasticity: ELASTIC ANCHOR ROPE 1m (3'): 2m (6')
ELASTIC ANCHOR ROPE 2m (6'): 4m (12')

Needed shackles: SHACKLE STAINLESS STEEL 316, 7/16'', LOCK: B0255

SKU NUMBERS

ELASTIC ANCHOR ROPE 1m (3'): B0047
ELASTIC ANCHOR ROPE 2m (6'): B0046

IMPORTANT PRINCIPLES

The below principles and notions apply to Candock's ELASTIC ACNHORING CABLES (TMS). The addition of these cables on the anchor lines will allow for optimal stability of the dock in every condition. If the water levels are subjected to fluctuations (tidal or seasonal), the addition of our elastic cables to the anchor lines will allow for optimal tension in the lines at all water levels. Depending on the application, environment and applied forces to the dock, a precise configuration layout will be determined by a Candock representative. The below guidelines will demonstrate the basic principles and best practices when these TMS cables are included in your dock system. Also see below diagrams for explanations on the below principles.

FLUCTUATION AMPLITUDES: If expected water fluctuations are greater than 2m; we recommend using the 2m elastic cable. If fluctuations and lesser than 2m, we suggest using the 1m elastic cable.

TMS POSITION ON THE ANCHOR LINE: The TMS cables should always be included in the upper-mid section of the line. This will prevent potential damages to the cable from seabed debris while allowing the upper section to be adjusted onto the floating dock.

TMS INSTALLATION AND TENSION: The TMS final adjustments (tension in the anchor lines) should be performed at low water level (low tide). This will allow for optimal tension when water fluctuates. The exact tension in the cables is difficult to determine so a meticulous monitoring of the first fluctuation cycles is highly recommended.

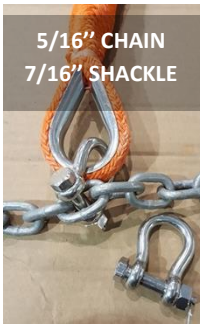
INCREASED RESITANCE TO STRETCHING: The TMS cables can also be paired or tripled on a given anchor line in order to give more resistance to stretching. Depending on the load applied to dock and the amplitude of the fluctuations, a proper configuration will be determined by a Candock representative.

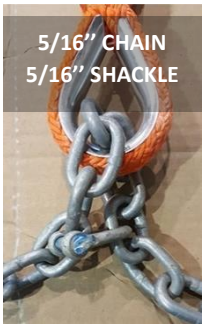
ONE PIECE CHAIN: The TMS cable should be installed on a single section anchor line. This implies that the section of chain in between the 2 connecting points of the TMS on the chain has to be as long as the maximal stretch of the chosen TMS cable length (2m for the 1m cable; 4m for the de 2m cable).

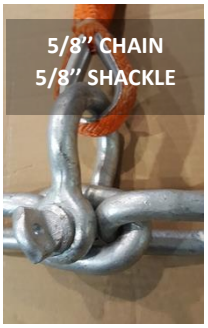
ASSEMBLY PROCEDURE

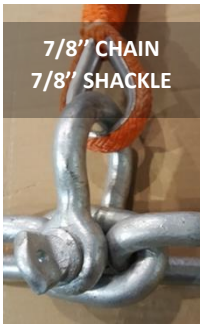
1-Install TMS cables on all anchor lines prior to installing the connecting lines.

2-Use proper shackles depending on chain gauge and application

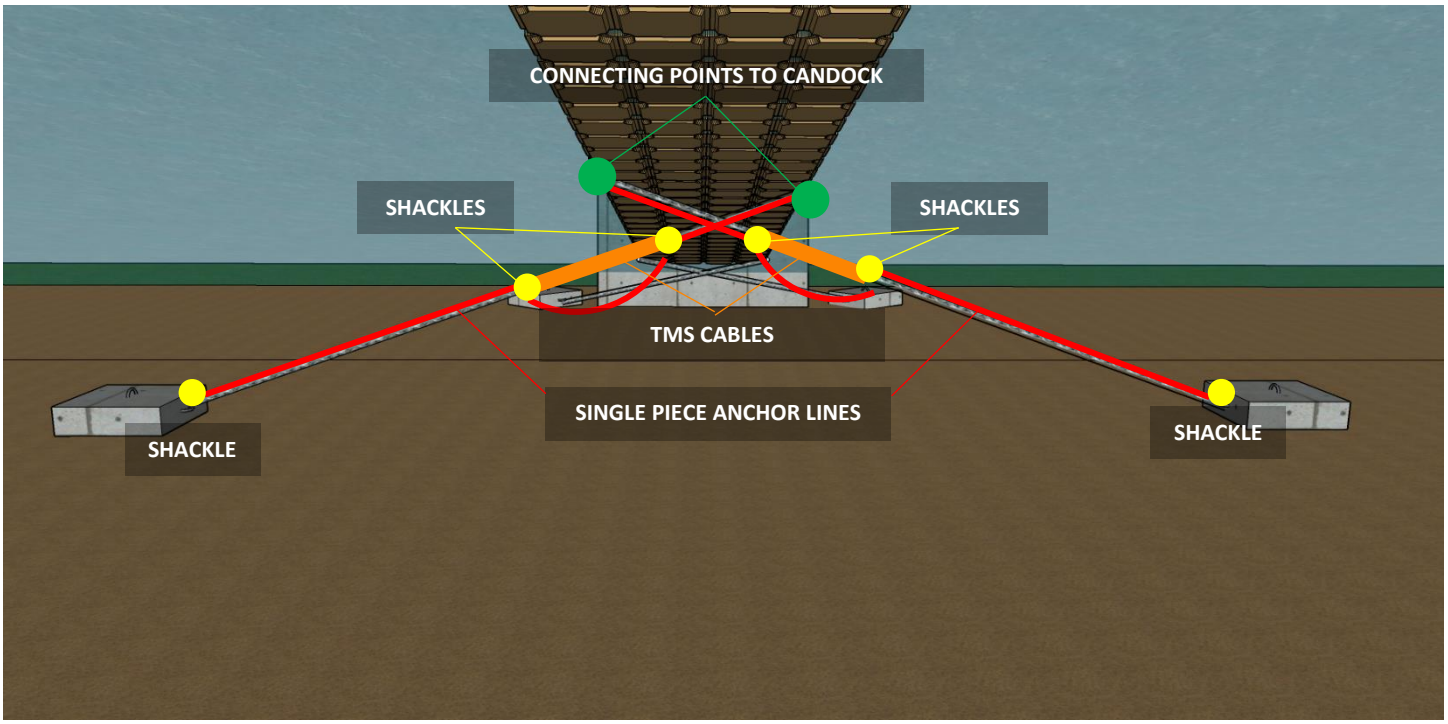








LINE CONFIGURATION



CONCRETE WEIGHTS FOR ANCHORING

SPECIFICATIONS

Material/Composition: 30 mpa concrete and steel reinforcing rods
Dimensions: 115KG (250LBS): O/D 63cm (25'') x H 16.5cm (6.5")
230KG (500LBS): O/D 92cm (36'') x H 16.5cm (6.5")

SKU NUMBERS

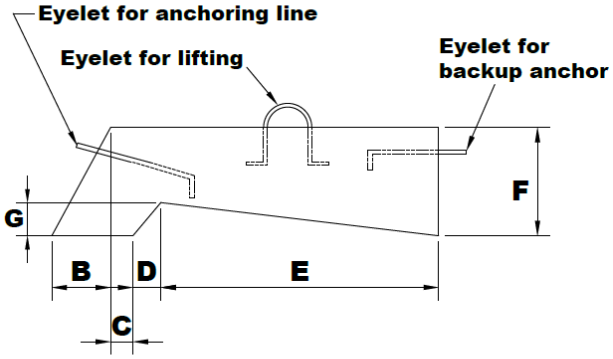
CONCRETE DEAD WEIGHT 115KG (250LBS): B0206
CONCRETE DEAD WEIGHT 230KG (500LBS): B0207

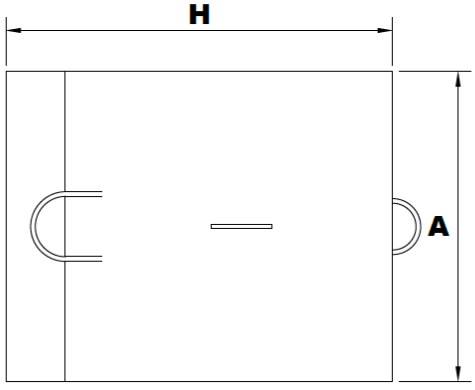
IMPORTANT PRINCIPLES

The below principles and notions apply to Candock's CONCRETE WEIGHTS FOR ANCHORING. It is obvious that the desired mass at the end of an anchor line is highly correlated to a multitude of factors. Depending on the application, environment and applied forces to the dock, a precise mass and geometry of the weights will be determined by a Candock representative. The above SKU numbers can obviously cover for a limited number of scenarios. Thus, custom-made concrete weights may often be mandatory for a given project. Alternatively, the current featured weights (115kg and 230kg) may be double, tripled or quadrupled in order to achieve desired mass; and thus, optimal stability. To connect multiple weights together, we simply suggest using pieces of chain and adequate shackles.

SUGGESTED CONCRETE DESIGN AND CHART

CONCRETE WEIGHT DESIGN CHART





Dimensions in metres

	A	B	C	D	E	F	G	H
1 Metric Ton	1,1	0,1	0,1	0,1	0,8	0,5	0,2	1,1
1,5 Metric Ton	1,4	0,1	0,1	0,1	1,0	0,5	0,2	1,3
2 Metric Ton	1,6	0,1	0,1	0,1	1,2	0,5	0,2	1,5
2,5 Metric Ton	1,6	0,1	0,1	0,1	1,2	0,6	0,2	1,5
3 Metric Ton	1,8	0,15	0,15	0,15	1,2	0,6	0,2	1,65
4 Metric Ton	2,0	0,15	0,15	0,15	1,45	0,6	0,2	1,9
5 Metric Ton	2,0	0,15	0,15	0,15	1,65	0,7	0,2	2,1
8 Metric Ton	2,2	0,2	0,2	0,2	1,8	0,8	0,2	2,4

DANFORTH ANCHORS

SPECIFICATIONS

Material/Composition: Hot dipped galvanized steel

SKU NUMBERS

DANFORTH ANCHOR GALVANIZED STEEL - 45LBS / 20KG: B0250
DANFORTH ANCHOR GALVANIZED STEEL - 88LBS / 40KG: B0251

IMPORTANT PRINCIPLES

The below principles and notions apply to Candock's DANFORTH ANCHORS. It is obvious that the desired at mass the end of an anchor line is highly correlated to a multitude of factors. Depending on the application, environment and applied forces to the dock, a proper anchor size and configuration layout will be determined by a Candock representative. The above SKU numbers can obviously cover for a limited number of scenarios. Thus, third-party anchors could also be suggested. Alternatively, the current featured anchors may be double, tripled or quadrupled throughout the anchor line to achieve desired mass; and thus, optimal stability. To connect multiple anchors on a single anchor line, include adequate shackles.

ANCHORING STRUTS INTRODUCTION

The anchoring struts approach is also a widely employed technique. Generally speaking, the anchoring of a floating dock using this technique will impose a few basic restrictions.

-Dock should have a “parallel geometry” in relation to the shoreline

-Protected (sheltered) location which is not subject to high swells, waves, or wakes.

-Strong and sturdy shoreline structure onto which we can safely secure the struts.

-Low to mid-range water fluctuation capacities.

Also note that certain situations will require much bulkier/longer anchoring struts and that Candock offers custom-made accessories for these situations. Contact a Candock representative for additional information.

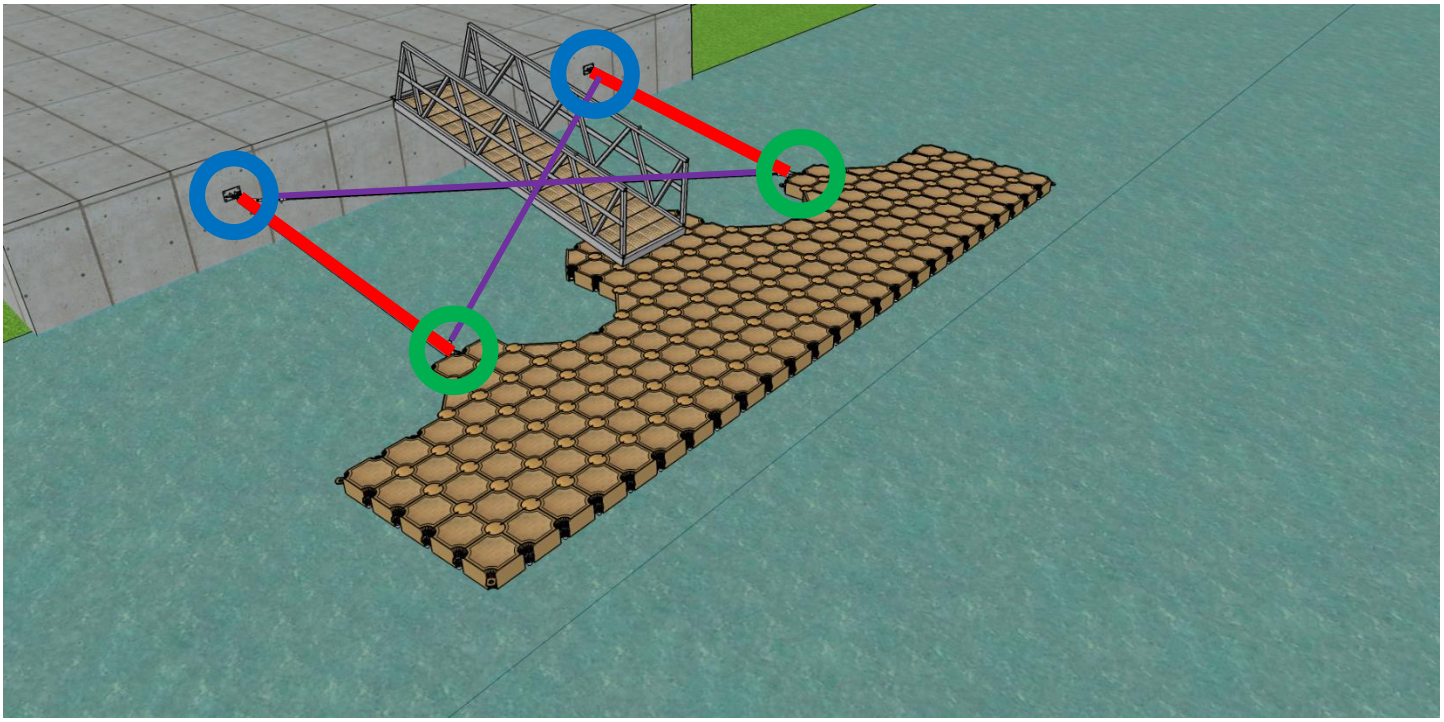
This technique can easily be broken down in 4 separate categories of accessories:

1-Connecting mechanism to the shoreline

2-Anchoring struts

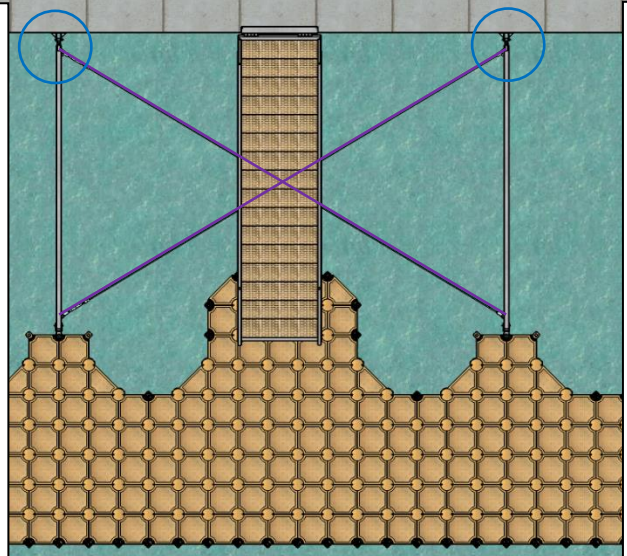
3-Anchoring point to the dock

4-Criss-crossing cables (stabilizers)



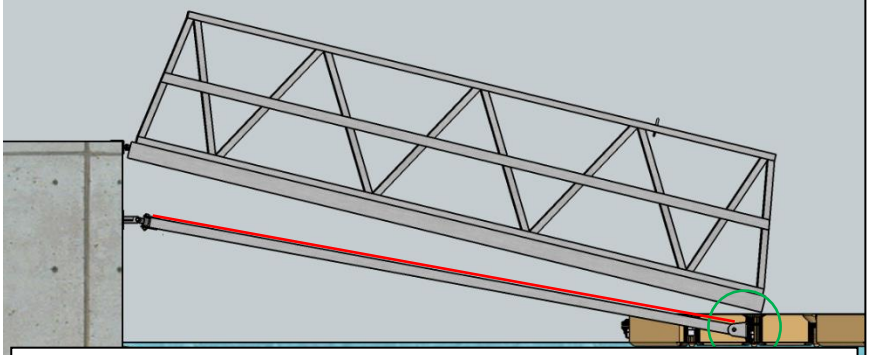
SHORE ATTACHEMENT

Double articulation joints allow for up and down fluctuation of the water levels as well as sometimes uneven connecting surfaces.



CRISS-CROSS LINES

These stainless-steel cables and hardware kits provide an excellent lateral stability to the floating dock by preventing any movement from left to right.



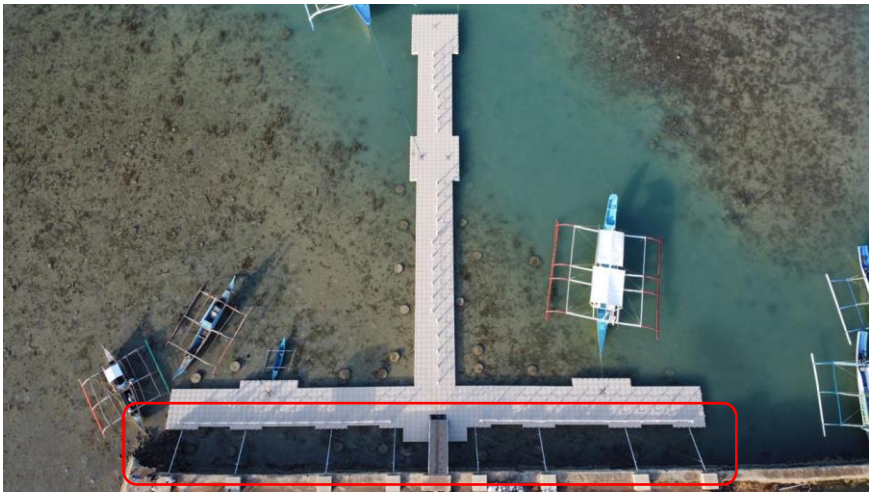
STRUTS

Marine grade aluminum extrusion adapted to the length needed. Furthermore, these struts can be cut on site to finetune to the exact needed length. The shore end portion has a bolted assembly system which easily allow for such last-minute adjustments.

DOCK ATTACHEMENT

Double articulation joints allow for up and down fluctuation of the water levels as well as sometimes non perfectly parallel anchoring struts.

1.5m, 3m, 4.5m AND 6m (5, 10, 15 AND 20') ALUMINUM ANCHORING STRUTS AND CABLE KIT



SPECIFICATIONS

Material/Composition: Aluminum and stainless steel 316 L
Needed tools: key for nut, ratchet tool kit and adapted tools and hardware to secure the shore-end part of the struts on the shoreline structure

SKU NUMBERS

1.5m (5') ALUMINUM ANCHORING STRUT: B0282
3m (10') ALUMINUM ANCHORING STRUT: B0105
4.5m (15') ALUMINUM ANCHORING STRUT: B0283
6m (20') ALUMINUM ANCHORING STRUT: B0142
CRISS-CROOS CABBLE KIT (SS CABLE, TURNBUCKLES AND HOOKS: B0275

IMPORTANT PRINCIPLES

The below principles and notions apply to Candock's ALUMINUM ANCHORING STRUTS.

FLUCTUATION AMPLITUDES: We suggest installing struts that will allow the fluctuation to remain under 30% of the length of the strut. Thus, as an example, a 3m (10') strut could accommodate fluctuation ranges of +/- 1m (3').

CANDOCK'S STRUTS WORK IN PAIRS: Candock's struts system implies that the struts are to be configured in pairs or more.

CRISS CROSS CABLES: The criss-cross cable kit is mandatory for most applications. The basic cable kit we provide will allow for 6m (20') struts separated by a maximal distance of 7m (25').

PARALLELISM: All struts should be as parallel to each other as possible. Furthermore, they should be as perpendicular as possible for the floating dock.

PROTECTED ENVIRONMENT: Any Candock system that is to be anchored with our struts system should not be subjected to waves of more than 60cm (2').

STRUTS SHOULD BE AT A MAXIMAL DISTANCE OF 7m (25') FROM EACH OTHER: To maintain optimal stability and linear geometries, each strut should not be positioned at a respective distance of more than 7m (25').

MISCELLANEOUS ANCHORING TECHNIQUES

In the miscellaneous category of techniques and accessories, there are multiple options. As a manufacturer, we obviously developed tailored accessories and concepts but keep in mind there could be other alternatives available as “custom-made” accessories or via third party companies and marine contractors. The below list of accessories consists in our most often utilized accessories.

WALL ANCHORAGES AND EXTENSION PLATE FOR WALL ANCHORAGES

SPECIFICATIONS

Material/Composition: Stainless steel 316L or painted steel
Needed tools: Key for nut, ratchet tool kit and proper power tools and hardware to secure the wall anchorage and extension plate on an existing floating structure.
*Lug connector and nut included.

SKU NUMBER

WALL ANCHORAGE PAINTED STEEL: B0093
WALL ANCHORAGE STAINLESS STEEL 316: B0098
EXTENSION PLATE FOR WALL ANCHORAGES: B0243

ASSEMBLY PROCEDURE

Simply insert the WALL ANCHORAGE onto the “pre-installed” LUG CONNECTOR and NUT assembly using the provided hardware (bolt, washers, and nut). Secure by firmly tightening the nut onto the bolt.

IMPORTANT NOTICE

-Wall anchorages are strictly allowed to connect a Candock system onto another type of **floating** dock.

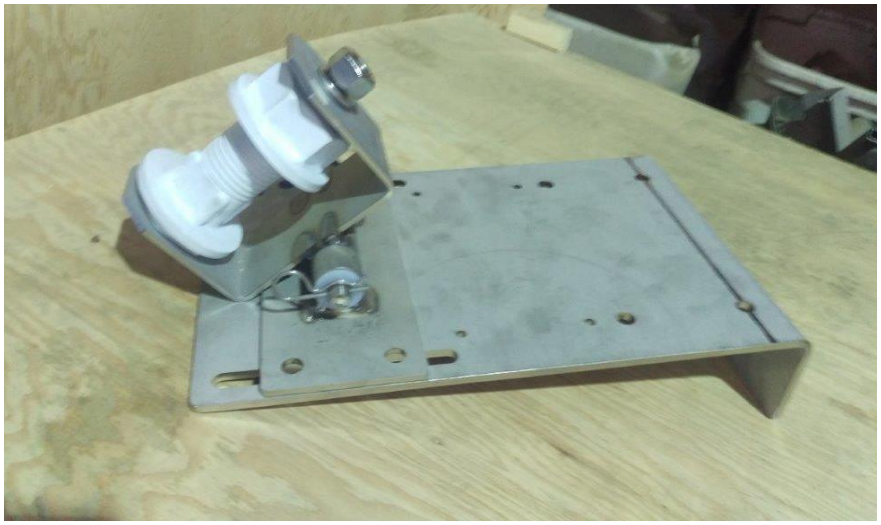
-Connection point onto the other type of floating dock has to provide a flat, strong and sturdy surface from 10cm (4’’) over waterline up to 20cm (8’’) to allow for the mounting plate to be securely fastened to the existing floating dock.

-If freeboard height of the existing dock is higher, simply include an EXTENSION PLATE FOR WALL ANCHORAGES which will provide additional leeway for adjusting the WALL ANCHORAGE at proper height. The plate allows for a freeboard height of 60cm (24’’) at the most.

-When purchasing the EXTENSION PLATE FOR WALL ANCHORAGES; the needed hardware to secure the WALL ANCHORAGE onto the plate is included in the packaging.

--Wall anchorages are to be installed in pairs; or more.

A FEW EXAMPLES



SWIVEL ANCHOR CHANNEL **FOR JETROLL**

SPECIFICATIONS

Material/Composition: Stainless steel 316L or galvanized steel
Needed tools: Halen Key and proper power tools and hardware to secure the "channel" on an existing floating structure.

SKU NUMBER

SWIVEL ANCHOR CHANNEL SS316: B0380
SWIVEL ANCHOR CHANNEL GALVANIZED STEEL: B0379

ASSEMBLY PROCEDURE

1-Secure the "claw" piece of the bracket onto the Jetroll using the provided hardware.

2-Determine adequate height of the "channel" piece onto the existing floating structure and firm secure it using adequate hardware.

3-Link the 2 pieces of the bracket using the dowel and hair pin.

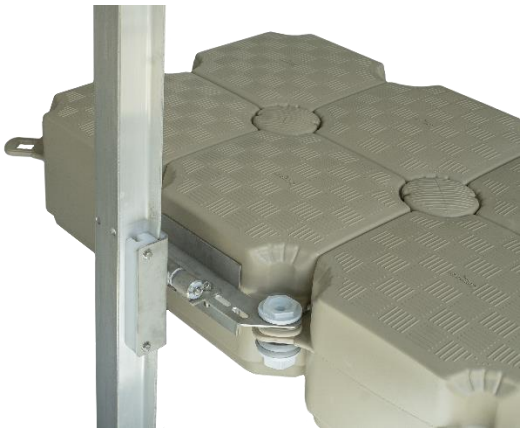
IMPORTANT NOTICE

-Swivel anchor channels are strictly allowed to connect a Jetroll unit onto another type of **floating** dock.

-Connection point onto the other type of floating dock has to provide a flat, strong and sturdy surface to allow for the "channel" to be securely fastened to the existing floating dock.

-Swivel anchor channels are to be installed in pairs.

SLIDING ANCHORAGE H-BEAM



SPECIFICATIONS

Material/Composition: Aluminum and stainless steel 316 L
Dimensions: H-Beam length: 2.43m (8')
Needed tools: Key for nut, ratchet tool kit and adapted tools and hardware to secure the "H" BEAM onto the shoreline structure

SKU NUMBER

SLIDING ANCHORAGE H-BEAM STAINLESS STEEL: B0311
SLIDING ANCHORAGE H-BEAM ALUMINUM: B0272

IMPORTANT PRINCIPLES

The below principles and notions apply to Candock's SLIDING ANCHORAGE H BEAM.

FLUCTUATION AMPLITUDES: We suggest installing SLIDING ANCHORAGE H BEAM that will allow the fluctuation amplitudes of the environment it is installed in.

AT LEAST 60% OF THE OVERALL LENGTH OF THE H BEAM MUST BE SECURED ON THE SHORELINE'S STRUCTURE: It is understood that the bottom portion of the H Beam may not be possible to secure onto the face of the existing structure (seawall) but we highly recommend having at least 60% of its length well secured onto the seawall.

VERTICALITY: All H beams should be perfectly vertical after completion of the work. The use of a level is highly recommended.

PROTECTED ENVIRONMENT: Any Candock system that is to be anchored with our SLIDING ANCHORAGE H-BEAM should not be subjected to waves of more than 60cm (2'). The Candock's piling system is extremely restrictive in the amount of leeway it will allow to the dock. Thus, agitated waters may translate to premature wear of the components.

CANDOCK'S SLIDING ANCHORAGE H-BEAM WORK IN PAIRS: Candock's H beam system implies that the beams are to be configured in pairs; or more.

A FEW EXAMPLES

⊙ JETSLIDE DRY-DOCK SYSTEM

JETSLIDE SYSTEM BASIC CONCEPTS

The JETSLIDE dry-dock system is consisted of an assembly of multiple components. First and foremost; the JETSLIDE unit itself. It is the center part of any drive-on dry-dock system that Candock can provide. Depending on the vessel's size and its specifications, an array of additional components is required in order to ensure a safe and efficient system.

Consisted of a single piece of medium density polyethylene, with 100% of its interior filled with expanded polystyrene; the JETSLIDE is virtually unsinkable. Furthermore, as it doesn't have any mobile parts, it relies on it slippery soft surface to help your vessel going up and down from the system itself.

Depending on the boat's length and weight; Candock will determine a suitable configuration of the needed components. JETSLIDE, CUBES, CONNECTING PINS and SLIDING NUTS; just to name a few; are all part of the recipe to create a perfectly tailored dry-dock system for your vessel.

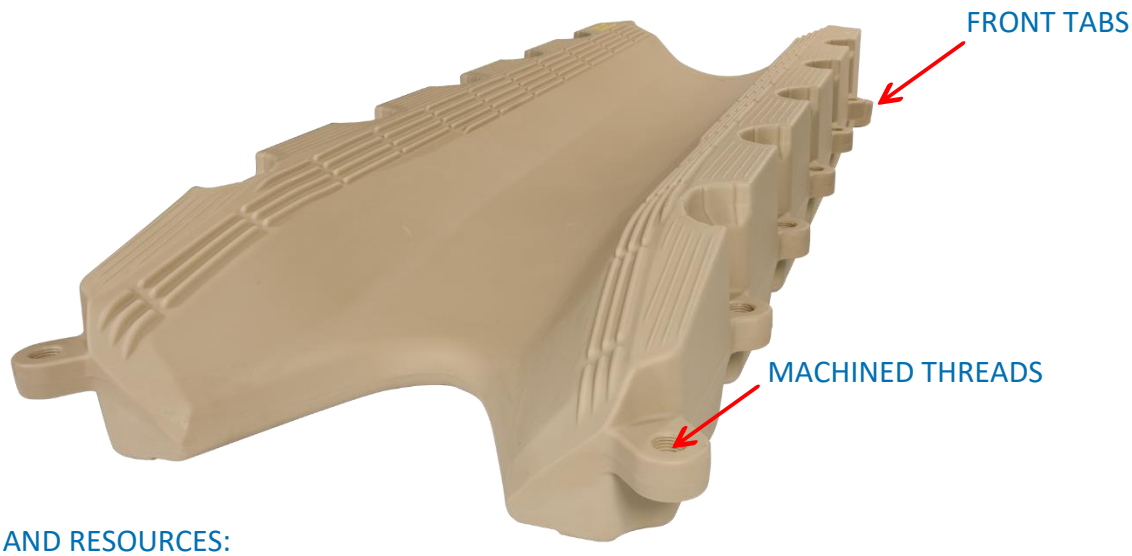
1- CANDOCK'S PROPOSED CONFIGURATION SHOULDN'T BE ALTERED IN ANY WAYS.

2- CERTAIN BOATS (STEPPED HULL, V-DRIVE/DIRECT-DRIVE) ARE NOT COMPATIBLE WITH THE JETSLIDE SYSTEM.

3- OPERATING MANOUEVERS THAT ARE IMPLIED WITH SUCH A SYSTEM MUST BE MASTERED BY EACH USERS.

4-CANDOCK IS NOT LIABLE FOR ANY DAMAGES RESULTING OF THE NON-COMPLIANCE OF THE FOLLOWING GUIDELINES.

JETSLIDE

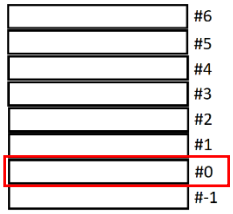


USEFUL LINKS AND RESOURCES:

YouTube

Website

TAB POSITIONS



SPECIFICATIONS

Material/Composition: Medium-density polyethylene resin - RotoMolded
Available colors: Beige and Gray
Dimensions: L x W: 288 cm (114”) x 96 cm (38”) H: 38 cm (15”)
Weight: 68 kg (150 lbs.)
Needed tools: G2 key for pin, Key for nut

SKU NUMBERS

G2 JETSLIDE BEIGE: B0195
G2 JETSLIDE GRAY: B0196

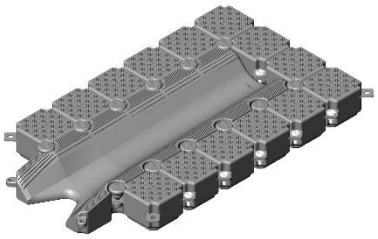
TERMINOLOGY

TABS: Prominent threaded parts that are on each side of the JETSLIDE, which are located at height “zero” *. As opposed to our regular CUBE coupling system; which requires the addition of a SLIDING NUT at the bottom of a connection point so that the CONNECTING PIN can have traction in the threads, the JETSLIDE has its own threads inside the tabs along its sides.

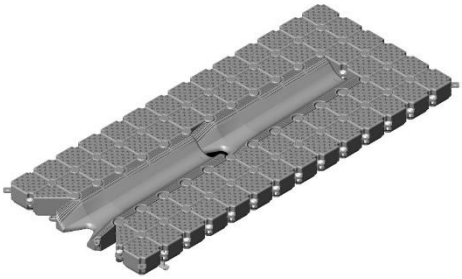
*The exception to the above description is the FRONT TABS (left and right); which are located underneath tabs “zero”. This specificity allows the merging of 2 JETSLIDES in an “in-line” configuration. This particularity allows to configure longer systems to accept longer/heavier vessels. See lower in this section for more explanations on “dual” JETSLIDE configurations.

PLUGS: These watertight plugs are always found the front wall of the JETSLIDE. These plugs, made of a breathable material, act as pressure release valves; thus preventing JETSLIDE’s deformation which is due to temperature changes and pressure variations. Furthermore, these plugs prevent any condensation inside the JETSLIDE.

OVERVIEW



JETSLIDE SMALLEST CONFIGURATION (PWC)



JETSLIDE BIGGEST CONFIGURATION (BOAT)

ASSEMBLY PROCEDURE

PRIOR TO INSTALLATION

1-Assemble on a flat surface rather than water.

2-Assemble the cubes around the JETSLIDE. If you attach it to An existing Candock dock, make sure the plugs are facing the same direction as the existing dock. If your JETSLIDE is an independent unit, vent plugs of the cubes should be oriented towards the front of the system.

PROCEDURE:

1-Prepare the needed SPACERS on each side of the JETSLIDE before manually inserting the connecting pins. The tab configuration will create a void in the assembly; depending on the cube's tabs that are utilized in the assembly, you will insert SPACERS in the missing tabs opening.

2- Manually insert CONNECTING PINS to engage the threads.

3-When the pins are engaged, proceed by screwing manually and/or mechanically. For each side of the JETSLIDE, start by tightening the pins in the middle section, and work your way towards the front and the back **in alternance**.

4-We suggest manually tightening the pins to have a better feel of the needed torque for each CONNECTING PIN.

4) For the 2 front corners of the JETSLIDE connecting points, the CONNECTING PINS will require SLIDING NUTS as the FRONT TABS are too low and they don't have a threaded opening like the other tabs of the JETSLIDE. Simply insert a SLIDING NUT on the lowest tab available at the connection point and make sure to include the potentially needed SPACERS if the tab configuration creates a void in the assembly.

5) When the needed CUBES are all secured around the JETSLIDE, install LUG CONNECTORS and NUTS assemblies all around the perimeter of JETSLIDE system. Make sure to include the potentially needed SPACERS if the tab configuration creates a void in the assembly.

OPERATING A WATER-CRAFT WITH THE JETSLIDE

IMPORTANT NOTICE

The water depth at the back of the system (entry point) must be of at least 1m (3.3') to avoid potential damage to the propeller and skeg of the engine.

GOING UP THE SYSTEM

PWC: Approach the JETSLIDE at idle, keeping the craft straight and centered with the JETSLIDE. When the bow of the craft will be in contact with the JETSLIDE, give small throttle strokes that will make the craft align with the JETSLIDE. When the craft is in line with the JETSLIDE, throttle in slowly. After a few tries, you will rapidly develop a feel of how much throttle you must use to reach final position on the JETSLIDE

BOAT: Engine must be completely trimmed down during the entering procedures. Increase throttle power until the boat is fully up on the system. When the engine gets in contact with the JETSLIDE, you will feel the vessel has stopped. You must immediately throttle down. This indicates that the craft is at its final resting position. Entering the unit at high speed may damage the unit. We recommend, at first, that you try at slow speeds until you reach the correct speed. If the boat gets on the system but is not all the way in, you can continue throttling progressively until the boat reaches final resting position. Be careful, boarding at high speed can be dangerous.

NOTE: It is recommended to secure the craft to a cleat in order to prevent it from sliding back into the water accidentally. The craft can be locked to the JETSLIDE system with a CONNECTING PIN WITH LOCK CHAIN. See lower in this manual.

GOING DOWN THE SYSTEM

PWC: To go back into the water, initiate the procedure by pushing the PWC backwards of 30-60cm (1' to 2') in order to bring the weight of the machine towards the back of the system. Then, stand up at the back of your PWC, grab the handle of the seat and transfer your weight backwards. The easiest way to push the PWC backwards is to grab the nose of the PWC in one hand and the handle with the other and then, push gently. Be vigilant, because at some point, your PWC will want to go down by itself. At this point, you will have to get on it if you do not want your watercraft in the water without you.

BOAT: Trim the engine down completely and put the engine in reverse. Gradually increase throttle until craft starts to go down by itself. It helps if you wet the system, especially if the boat was not used for an extended period. It might be necessary to give a good throttle stroke to initiate the motion and then throttle down.

NOTE: For boats that are powered with turbine engine layout; a BOAT WINCHE is required to initiate the process of going back in the water with the vessel. See lower in this manual.

WARNINGS & SPECIAL INSTRUCTIONS

1- For all JETSLIDE systems, the surrounding environments must not be subjected to waves of more than 60cm (24'). We recommend installing a JETSLIDE system in a protected area.

2-The installation of multiple PWC JETSLIDES side by side is possible, but we suggest a minimum of 2 rows of CUBES in-between each JETSLIDE. An installation with only one row is also possible, but there are risks of injuries for the surrounding users and risks of damaging the PWC.

3-The lifting (crane) of multiple JETSLIDES assembled together is strongly not recommended.

5-Aluminum riveted hulls may scratch the surface of the JETSLIDE.

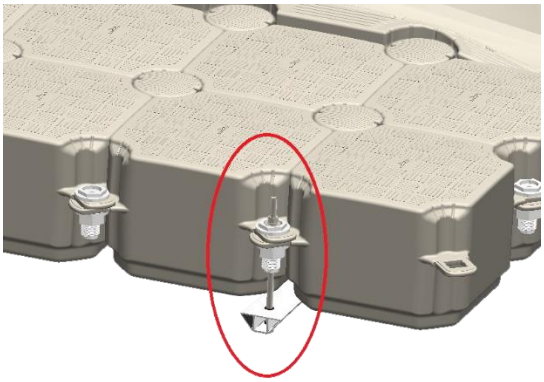
6- "Stepped-hull" vessels are not compatible with the JETSLIDE system.

7-Surfaces can be slippery when the system is wet.

8-Please note that some boats have engine cooling intakes on the hull and thus may overheat if the boat is dry-docked on the system with the engine running.

9-All boats and PWC must be completely brough to the front of the JETSLIDE at all time.

STIFFENING BEAMS



SPECIFICATIONS

Material/Composition: Aluminum and stainless-steel rods.
Needed tools: Key for nut and ratchet tool kit
*Lug connector and nut NOT included.

SKU NUMBERS

STIFFENING BEAM FOR JETSLIDE SYSTEM 115'' (6 CUBES): B0134
STIFFENING BEAM FOR JETSLIDE SYSTEM 153'' (8 CUBES): B0135

ASSEMBLY PROCEDURE

PRIOR TO INSTALLATION

1-Assemble STIFENING BEAMS when JETSLIDE system is in the water.

2-Position STIFFENING BEAM(S) exactly at the designated position provided by your Candock's representative.

PROCEDURE

1-Insert the STIFFENING BEAM assembly onto "pre-installed" LUG CONNECTOR and NUT assembly using the provided hardware (bolt, washers, and nut). Holding the very end of the threaded rods, simply slide the beam underneath the system starting from the rear. Make sure to install the beams that will be at the front of the system and make your way to the back with the subsequent beams if needed.

2-Once aligned, secure the beam to the LUG CONNECTORS with the hardware kit supplied with the bars. Insert the threaded rods through LUG CONNECTORS and then manually engage the washers, lock washers and nuts.

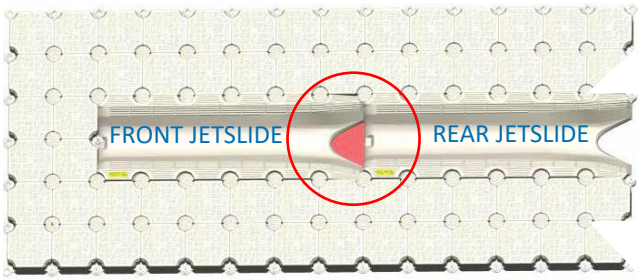
3-Complete installation by adjusting the beams positions for them to be perfectly perpendicular to the JETSLIDE(S). The over-tightening of the stabilizer bars may exert undue pressure on the tabs and cause damages to the JETSLIDE(S).

TIP

-The quantity of STIFFENING BEAMS needed for a specific configuration may be estimated with the below ratio:

(1x) STIFFENING BEAM FOR EVERY 455kg (1000lbs) OF THE VESSEL'S WEIGHT.

Example: A boat of 910kg (2000lbs) "wet weight" will require (2x) STIFFENING BEAMS.



SPECIFICATIONS

Material/Composition: HDPE and stainless-steel hardware.
Needed tools: Halen key
*Lug connector and nut NOT included.

SKU NUMBER

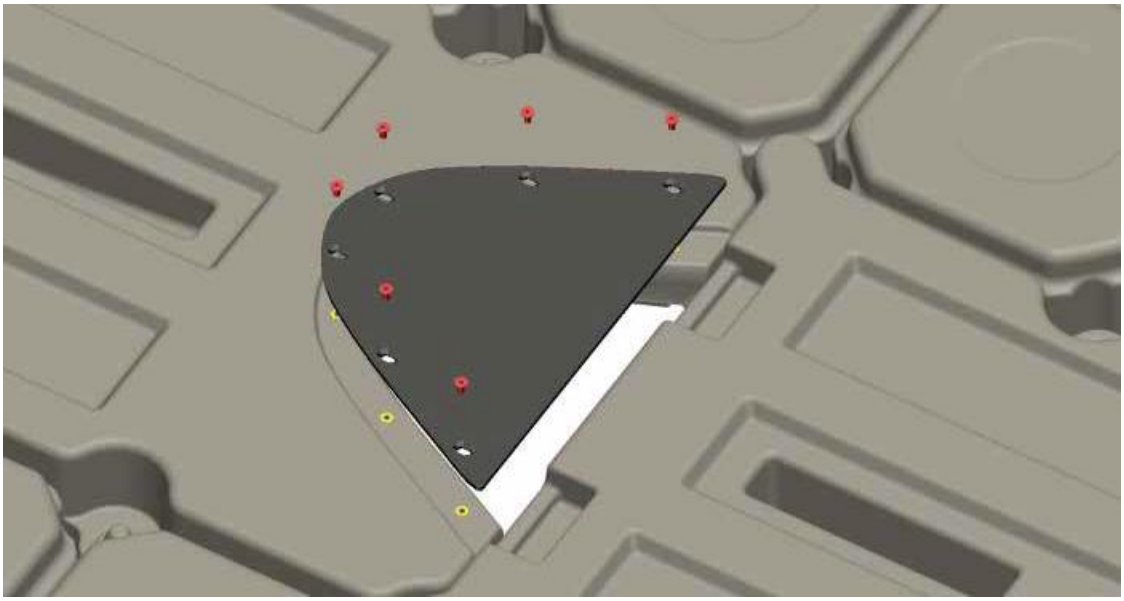
V-PLATE: B0050

ASSEMBLY PROCEDURE

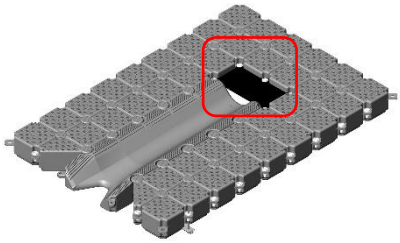
With an assembly of dual “in line” JETSLIDES, the connection point between the 2 JETSLIDES will create an opening at the “V shaped” entry point of the front JETSLIDE. To cover this hazardous opening, you must install the V-PLATE which is to be secured in place under the JETSLIDE with (6X) counter sunken Halen screws (provided) screwed into casted brass inserts.

PROCEDURE

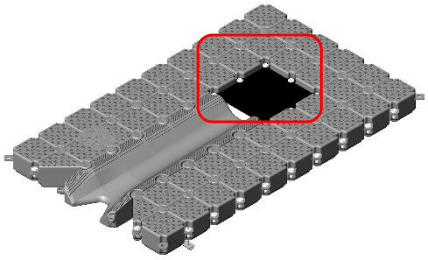
1-Flip the JETSLIDE upside down and secure the V-PLATE with the provided hardware.



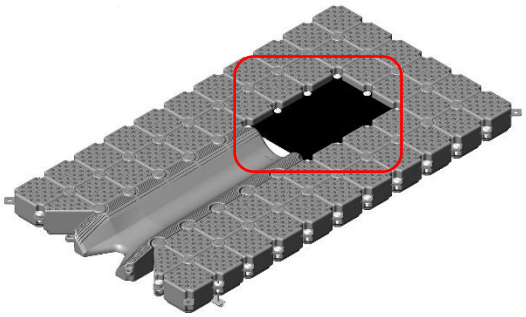
EXTENSION PLATES (1, 2 AND 3 CUBES) AND LUG CONNECTOR JETSLIDE



EXTENSION PLATE 1 CUBES



EXTENSION PLATE 2 CUBES



EXTENSION PLATE 3 CUBES

SPECIFICATIONS

Material/Composition: HDPE and stainless-steel hardware.
Needed tools: Key for nut
*Lug connectors JETSLIDE and sliding nuts not included.

SKU NUMBER

EXTENSION PLATE 1 CUBE: B0051
EXTENSION PLATE 2 CUBES: B0052
EXTENSION PLATE 3 CUBES: B0053
LUG CONNECTOR JETSLIDE: B0063

ASSEMBLY PROCEDURE

The EXTENSION PLATES, available in 3 different sizes, are used to accommodate intermediary boat lengths as opposed to including a second JETSLIDE (in a dual “in-line” configuration) and thus, precisely adapting the overall size of the system needed for a specific boat. To secure the EXTENSION PLATE, we use modified LUG CONNECTORS onto which we have removed the “locking ribs”. This allows for the LUG CONNECTORS to be used as regular “bolts”. Thus, when modified, these bolts are named LUG CONNECTOR JETSLIDE.

*One installed, the plate may slightly deform. This deformation is expected and normal.

**Please note that the surface of the safety plate can be slippery.

PROCEDURE

1- Insert SLIDING NUT on all cube tabs that will be supporting the EXTENSION PLATE.

2- Place all needed SAPCERS if the tab configuration creates a void in the assembly, starting from the lowest available tab, to the highest. In other words, make sure the EXTENSION PLATE is levelled.

3- Gently put the EXTENSION PLATE without moving the spacers.

4- Manually engage the LUG CONNECTORS JETSLIDE into the above-mentioned SLIDING NUTS.

5-Firmly tighten the LUG CONNECTORS; ideally with a RATCHET key for nut.

JETSLIDE BOAT WINCHES

SPECIFICATIONS

Material/Composition: Aluminum and galvanized steel or stainless steel 316
Needed tools: Key for nut and ratchet tool kit
*Lug connectors and nuts included.

SKU NUMBERS

JETSLIDE BOAT WINCH (ALUMINUM): B0120
JETSLIDE BOAT WINCH (STAINLESS STEEL): B0360

ASSEMBLY PROCEDURE

The JETSLIDE BOAT WINCHES are mainly purposed to initiate the “unberthing” maneuvers of turbine/jet engine vessels when users want to get their boats back in the water from a fully dry-docked position.

Position the JETSLIDE BOAT WINCH and PULLEY exactly at the designated position provided by your Candock’s representative.

PROCEDURE

1-Install the JETSLIDE BOAT WINCH with the provided LUG CONNECTORS and NUTS

2-Once the winch is installed, insert the pulley and connecting ring assembly onto the “pre-installed” LUG CONNECTOR and NUT assembly using the provided hardware.

3-Complete installation funneling the rope from the winch through the pulley and back towards the front of the vessel.

IMPORTANT NOTICE

-Maximal boat weight capacity of the JETSLIDE BOAT WINCHES is 1360kg (3000lbs)

-Candock does not recommend using the winch and its components to complete the “berthing maneuvers” of your vessel. In other words, do not use the winch to pull your boat onto the JETSLIDE system.

JETSLIDE PWC WINCH

SPECIFICATIONS

Material/Composition: Stainless steel
Needed tools: Key for nut
*Lug connectors and nuts included.

SKU NUMBER

JETSLIDE PWC WINCH: B0350

ASSEMBLY PROCEDURE

The JETSLIDE PWC WINCHES are mainly purposed to initiate the “unberthing” maneuvers of turbine/jet engine PWC when users need help putting their PWC back in the water from a fully dry-docked position.

Position the JETSLIDE PWC WINCH exactly at the designated position provided by your Candock’s representative.

PROCEDURE

1- Remove the regular CONNECTING PIN that is at the designated location.

2-Install the JETSLIDE PWC WINCH by screwing it in place.

IMPORTANT NOTICE

-Maximal PWC weight capacity of the JETSLIDE PWC WINCH is 500kg (1100lbs)

-Candock does not recommend using the winch and its components to complete the “berthing maneuvers” of your PWC. In other words, do not use the winch to pull your PWC onto the JETSLIDE system.

CONNECTING PIN WITH LOCK CHAIN

SPECIFICATIONS

Material/Composition: HDPE, concrete and 40cm (16’’) stainless steel chain section
Available colors: Beige and Gray

ASSEMBLY PROCEDURE

1-Establish the location of the future CONNECTING PIN WITH LOCK CHAIN on the dock.

2-Remove the CONNECTING PIN that is at the desired location.

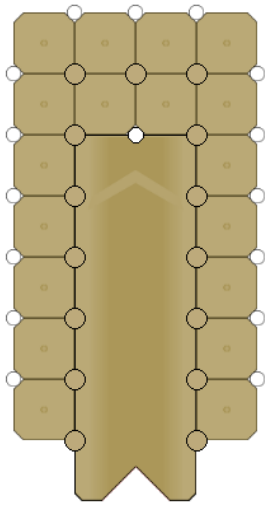
3-Insert the CONNECTING PIN WITH LOCK CHAIN and complete the screwing process by hand.

PWC JETSLIDE SYSTEM CONFIGURATION GUIDELINES

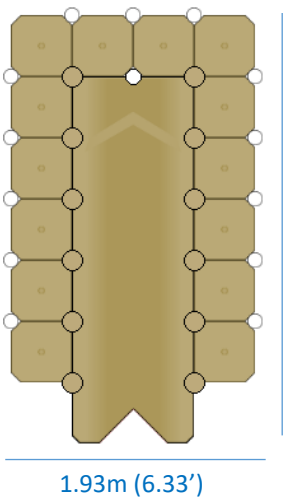
The following section is also very important to Candock. **Indeed, the configuration of a PWC Jetslide system is of the outmost importance to ensure optimal durability and performances of the system.** Thus, following the below recommendations and guidelines is key for your product to perform as we intend.

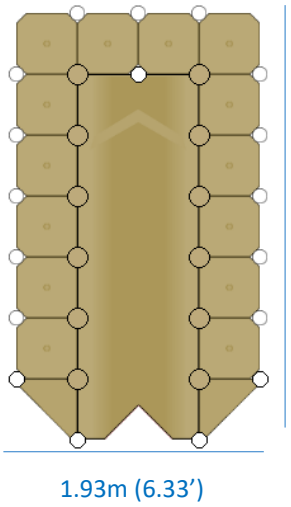
There are several sizes and models so the below configurations may have to be modified on a case by case basis. Please contact a Candock representative in the event you wish to alter the below configurations.

1 – IDEAL CONFIGURATION



2 – ALTERNATE CONFIGURATIONS



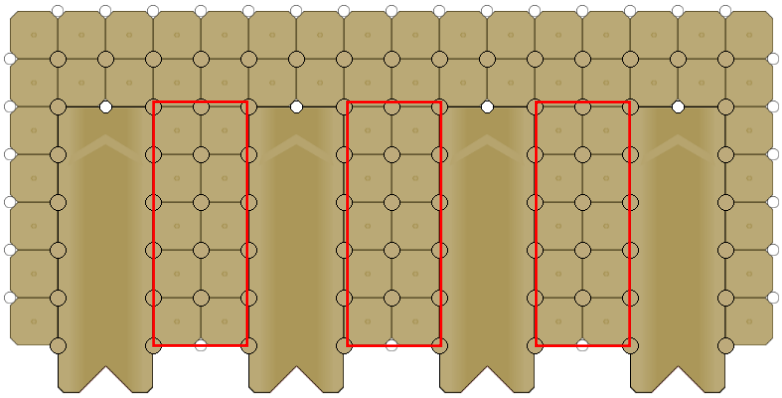


IMPORTANT NOTIONS

-Always keep the system symmetrical left/right.

-In doubt, please refer to your Candock representative.

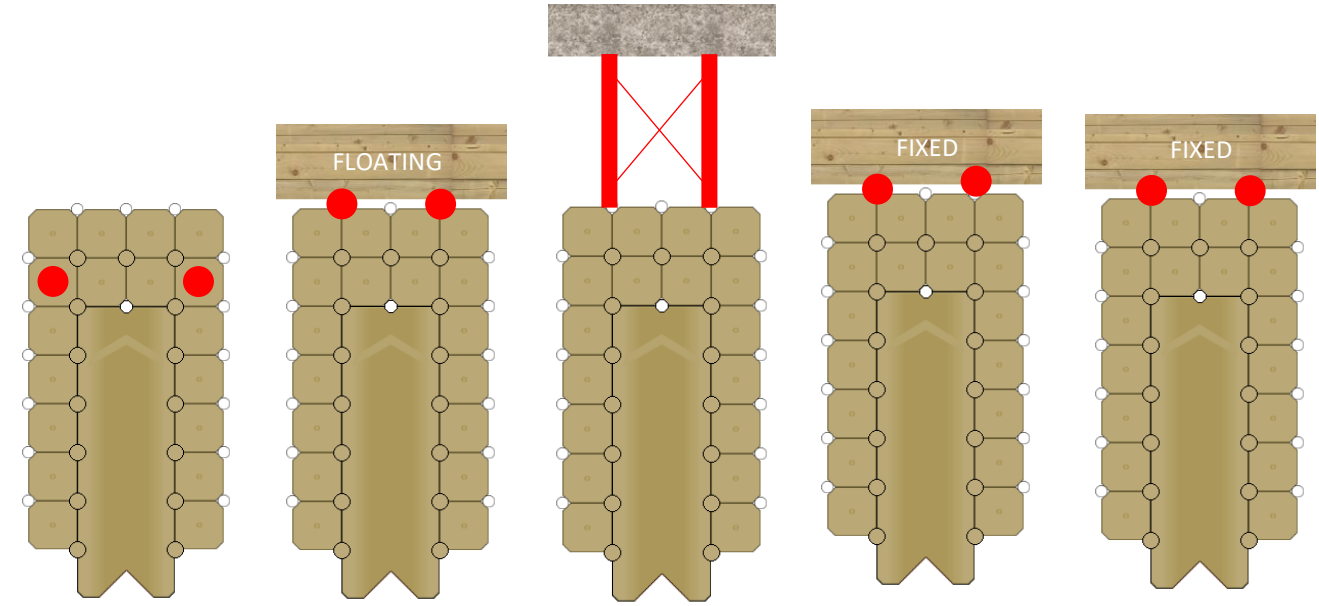
-For multiple units assembled together, we advocate 2 rows of cubes in between each JETSLIDE. The option of using only 1 row of cubes between each JETSLIDE is also possible but be aware of possible injuries or machine damages. As space between the machines will be limited, there are potential risks of impacts with surrounding objects or users.



The following configurations are showcased to help determine the best scenario for each situation. Obviously, the number of factors that will influence the exact suggested layout are numerous so the following proposed layouts must not be taken integrally. Modifications and altering of these are highly probable. Please contact a Candock representative to gather clarification and validation on the below configurations.

The below section will be segmented as per our anchoring accessories/techniques categories. Note that combinations of multiple techniques may apply, and some alterations of the below accessories/techniques may also be involved in the process. The below list aims at covering as many of the possible scenarios. If the Jetslide system is to be secured against another floating or fixed structure (another Candock system, a regular floating dock, a fixed dock or seawall); it is imperative that this "other" structure is properly anchored or fixed in place for it to withstand the torque that will be applied by the addition of the Jetslide system.

It is also probable that in the event of a regular "POST CUBE AND PILES" anchoring technique, additional accessories may be required to secure the upper section of the piles onto another fixed structure. In this case, location of the POST CUBES may be changed to accommodate the needed bracket and hardware. Additionally, the POST CUBES may also be substituted with our HDPE PILE GUIDE FOR 2 7/8 '' STEEL PILE if the situation allows.



ANCHORING WITH POST CUBES AND PILES

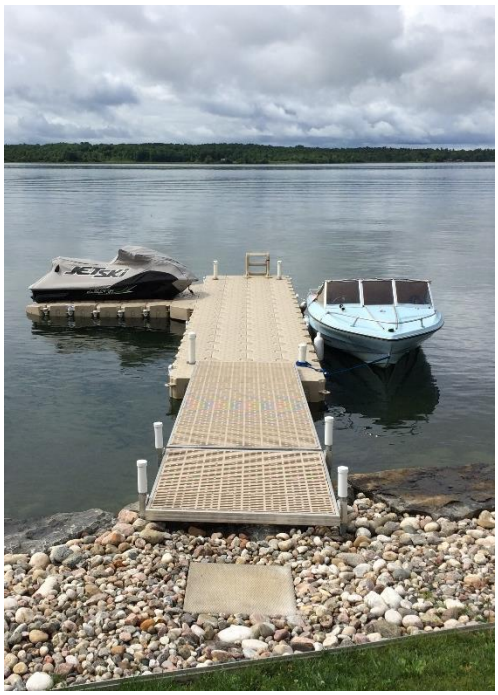
ANCHORING WITH WALL ANCHORAGES

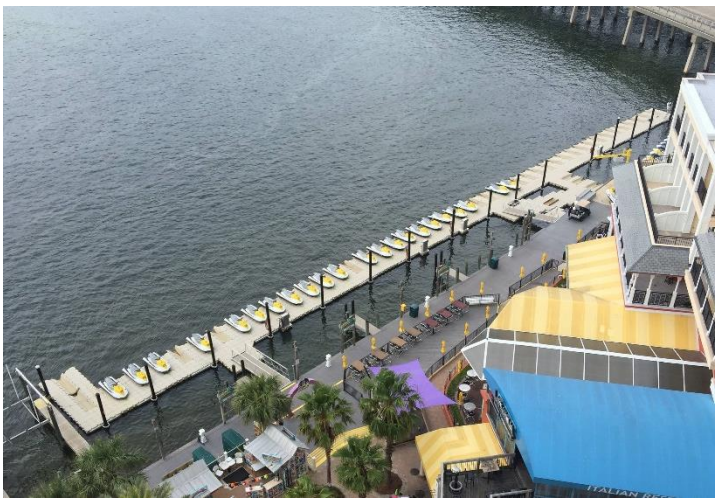
ANCHORING WITH ANCHORING STRUTS

ANCHORING WITH 1 11/16 PILES AND UPPER PILE SECTION FASTENING ACCESSORES

ANCHORING WITH SLIDING H BEAM

A FEW EXAMPLES





BOAT JETSLIDE SYSTEM CONFIGURATION GUIDELINES

The following section is also very important to Candock. **Indeed, the configuration of a BOAT Jetslide system is of the outmost importance to ensure optimal durability and performances of the system.** Thus, following the below recommendations and guidelines is key for your product to perform as we intend.

There are several sizes and models so the below configurations may have to be modified on a case by case basis. Please contact a Candock representative to help in determining a valid and approved configuration for your vessel.

To better help our customers, we have elaborated a comprehensive chart which helps in determining the needed layout of a specific vessel while considering the 2 most important variables, length, and weight.

IMPORTANT NOTICES

-Maximal boat's weight capacity of Candock's JETSLIDE system is 1360kg (3000lbs) including hull, engine, fuel and equipment.

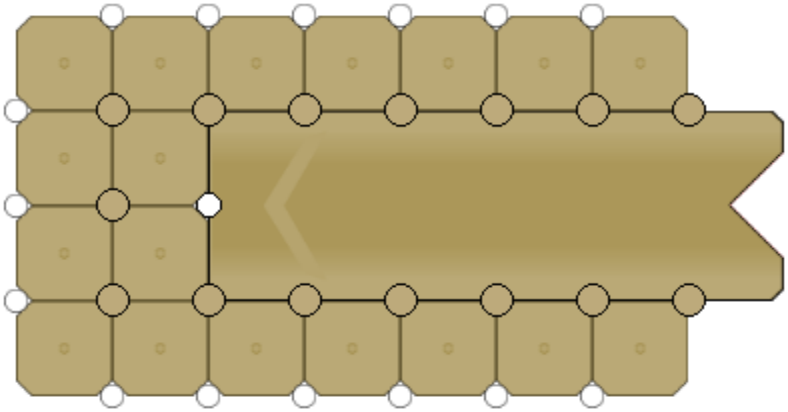
-Vessels with V-Drive and Direct-Drive engine layouts are not compatible with the JETSLIDE's system.

-Vessels with "step-hull" designs are not compatible with the JETSLIDE's system.

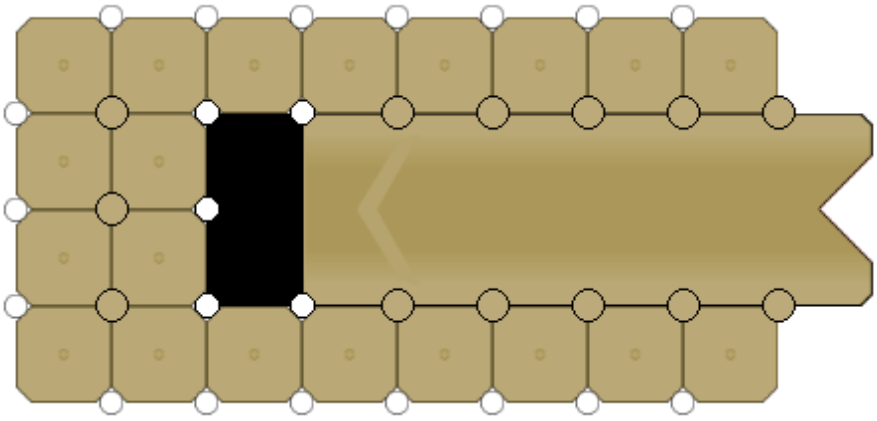
-Pontoon boats are not compatible with the JETSLIDE's system.

WEIGHTS AND DIMENSIONS – CONFIGURATION CHART

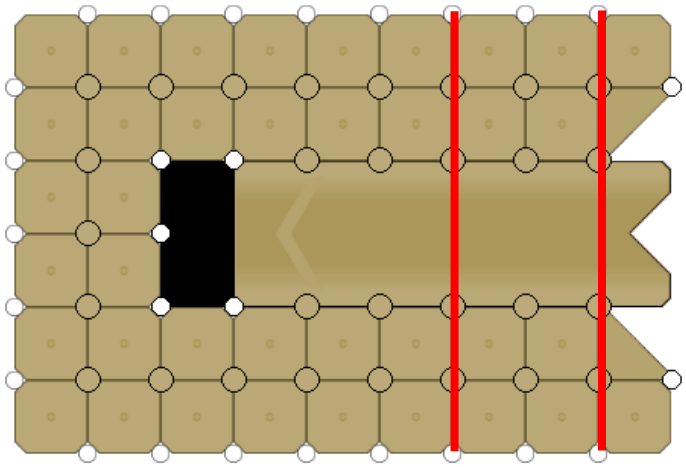
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
0 - 3,5m	**0 - 11,5'**	< 565 kg	< 1250 lbs	-	-	-	-	-



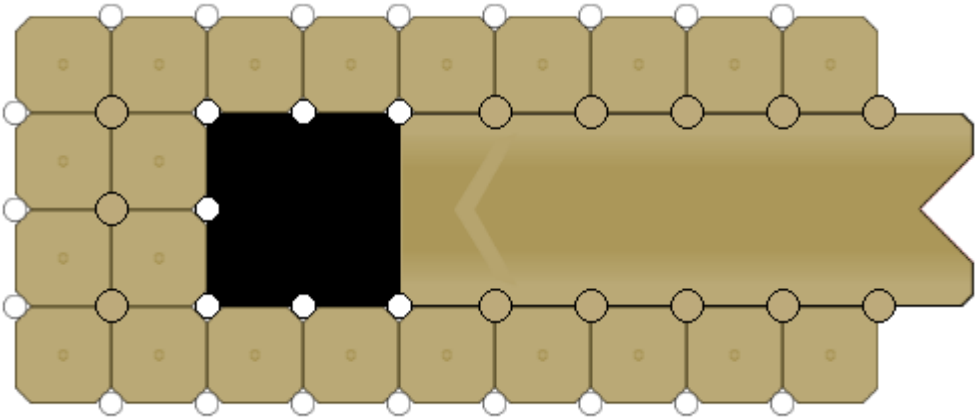
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
3,5m - 4m	**11,5' - 13'**	< 565 kg	< 1250 lbs	1	-	-	-	-



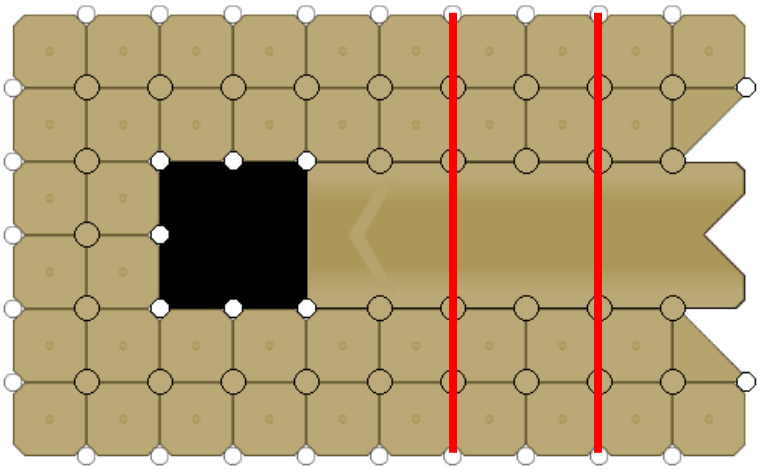
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
3,5m - 4m	**11,5' - 13'**	< 1136 kg	< 2500 lbs	1	-	-	-	2



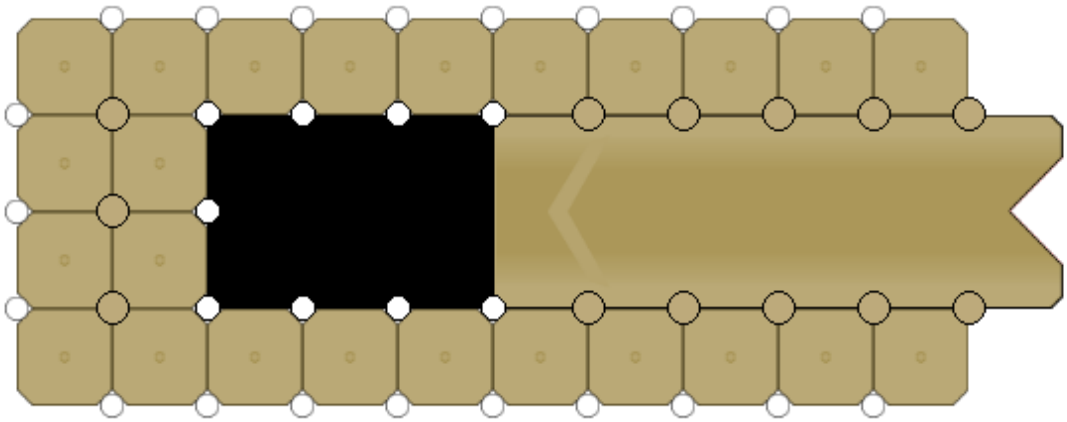
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
4m - 4,5m	**13' - 14,5'**	< 565 kg	< 1250 lbs	-	1	-	-	-



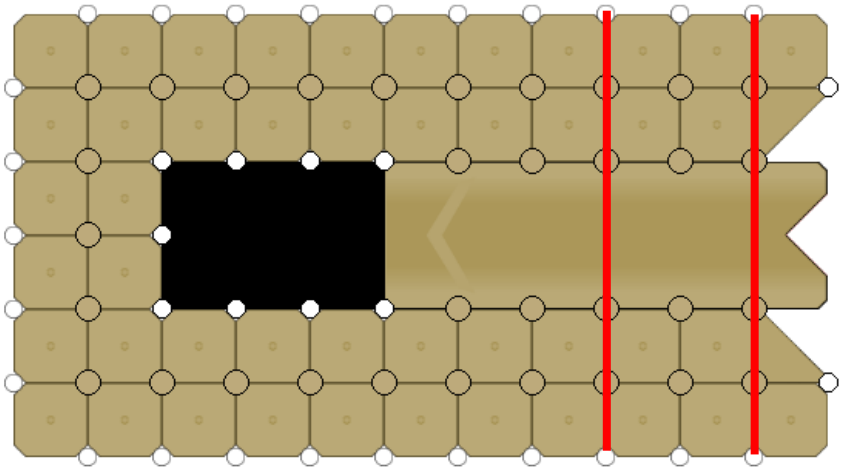
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
4m - 4,5m	**13' - 14,5'**	< 1360 kg	< 2500 lbs	-	1	-	-	2



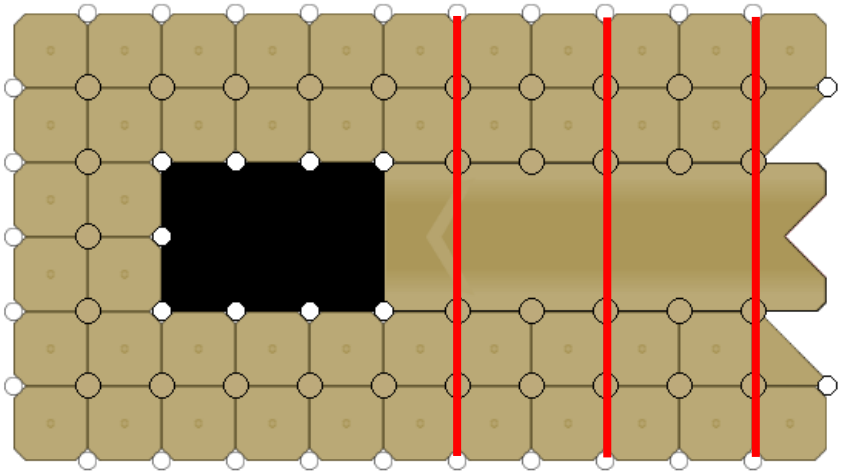
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
4,5m - 5m	**14,5' - 16,5'**	< 565 kg	< 1250 lbs	-	-	1	-	-



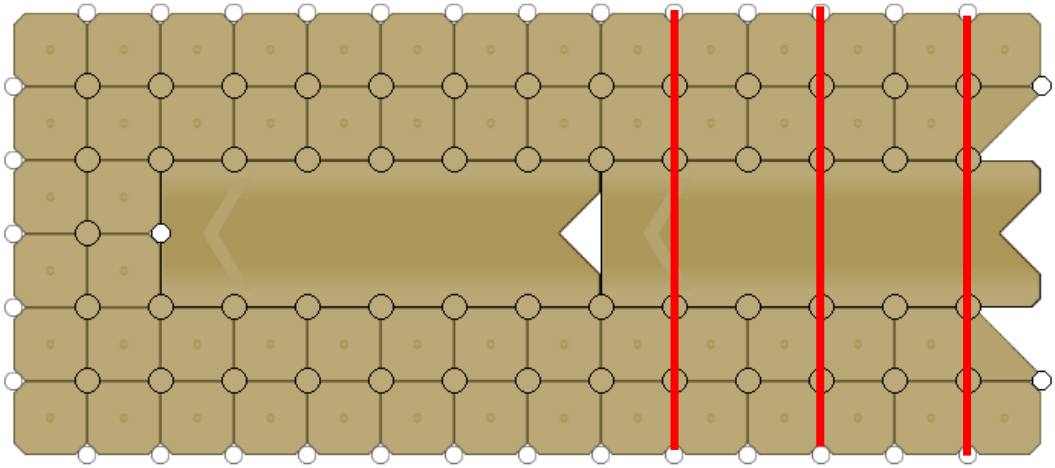
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	-	-
4,5m - 5m	**14,5' - 16,5'**	565 - 1136 kg	1250 - 2500 lbs	-	-	1	-	2



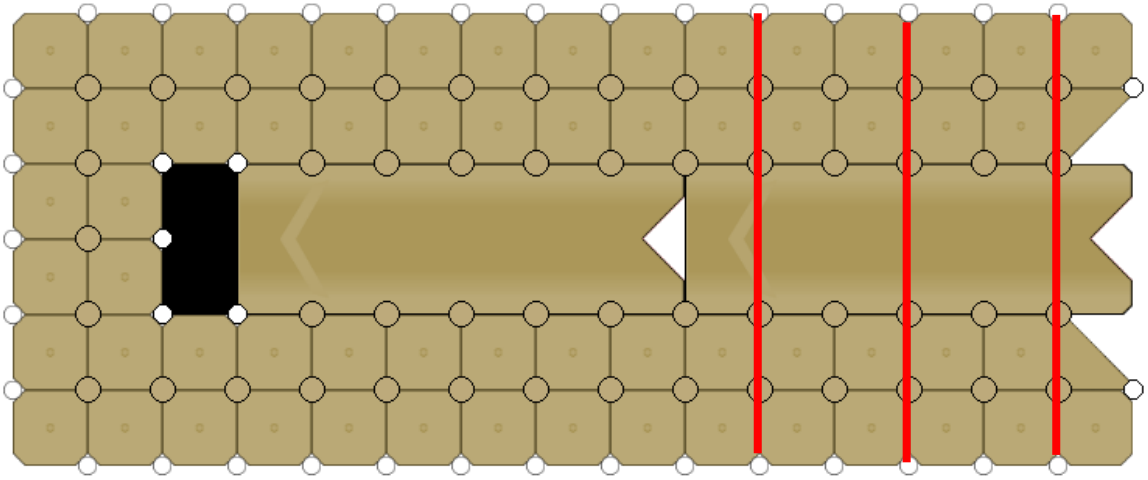
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	-	-
4,5m - 5m	**14,5' - 16,5'**	910 - 1360 kg	2000 - 3000 lbs	-	-	1	-	3



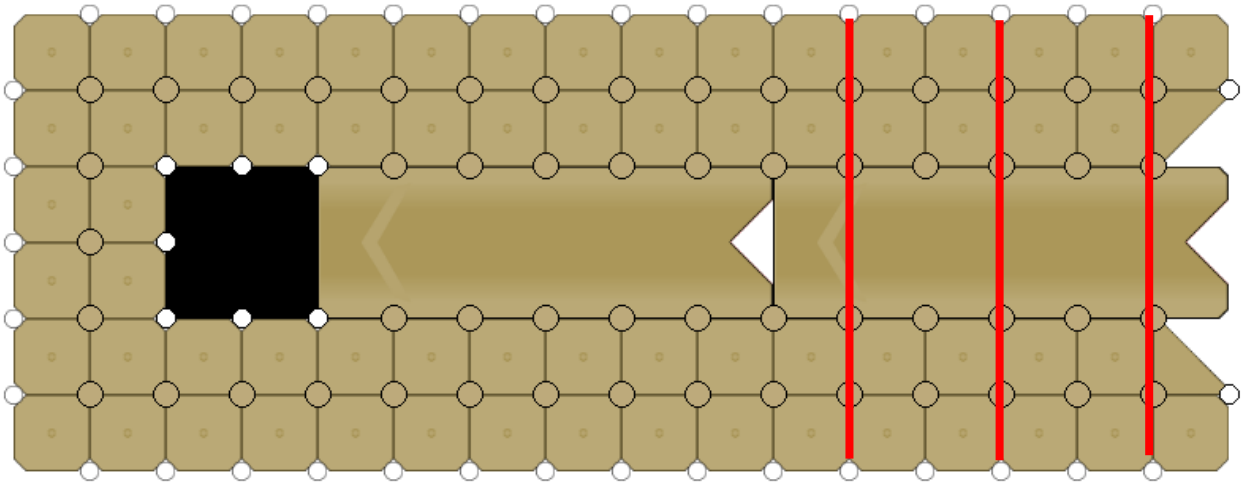
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
5m - 6,5m	**16,5' - 21'**	910 - 1360 kg	2000 - 3000 lbs	-	-	-	1	3



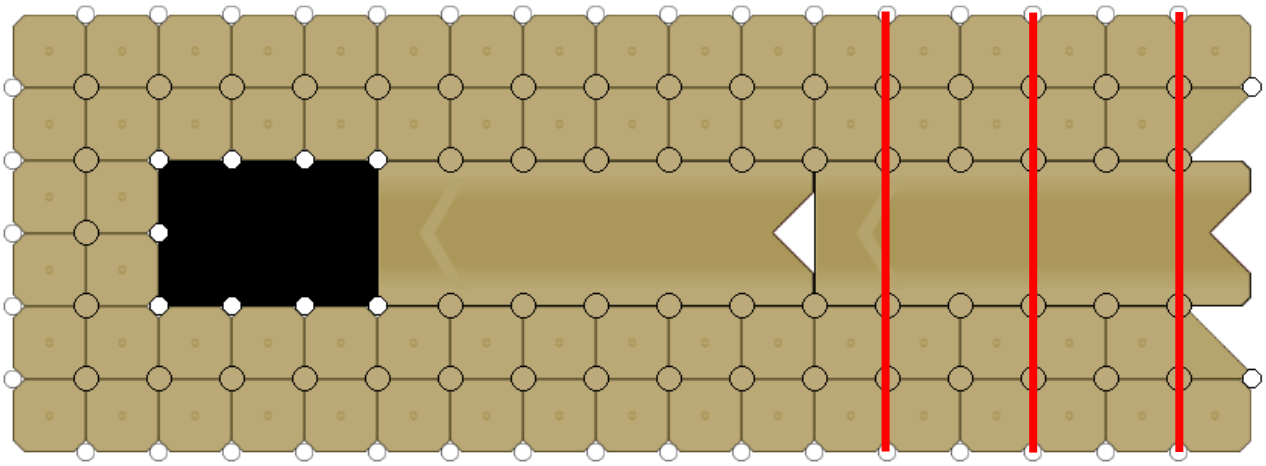
VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
6,5m - 7m	**21' - 22,5'**	910 - 1360 kg	2000 - 3000 lbs	1	-	-	1	3



VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
7m - 7,5m	**22,5' - 24'**	910 - 1360 kg	2000 - 3000 lbs	-	1	-	1	3



VESSEL LENGHT		VESSEL WET WEIGHT		EXTENSION PLATE	EXTENSION PLATE	EXTENSION PLATE	V-PLATE	STIFFENING BEAM 6 CUBES
METRIC (M)	IMPERIAL (FT)	METRIC	IMPERIAL	1 CUBE	2 CUBES	3 CUBES	_	_
7,5m - 8m	**24' - 25,5'**	910 - 1360 kg	2000 - 3000 lbs	-	-	1	1	3



BOAT JETSLIDE SYSTEM ANCHORING GUIDELINES

The following configurations are showcased to help determine the best scenario for each situation. Obviously, the number of factors that will influence the exact suggested layout are numerous so the following proposed layouts must not be taken integrally. Modifications and altering of these are highly probable. Please contact a Candock representative to gather clarification and validation on the below configurations.

The below section will be segmented as per our anchoring accessories/techniques categories. Note that combinations of multiple techniques may apply, and some alterations of the below accessories/techniques may also be involved in the process. The below list aims at covering as many of the possible scenarios. If the Jetslide system is to be secured against another floating or fixed structure (another Candock system, a regular floating dock, a fixed dock or seawall); it is imperative that this "other" structure is properly anchored or fixed in place for it to withstand the torque that will be applied by the addition of the Jetslide system.

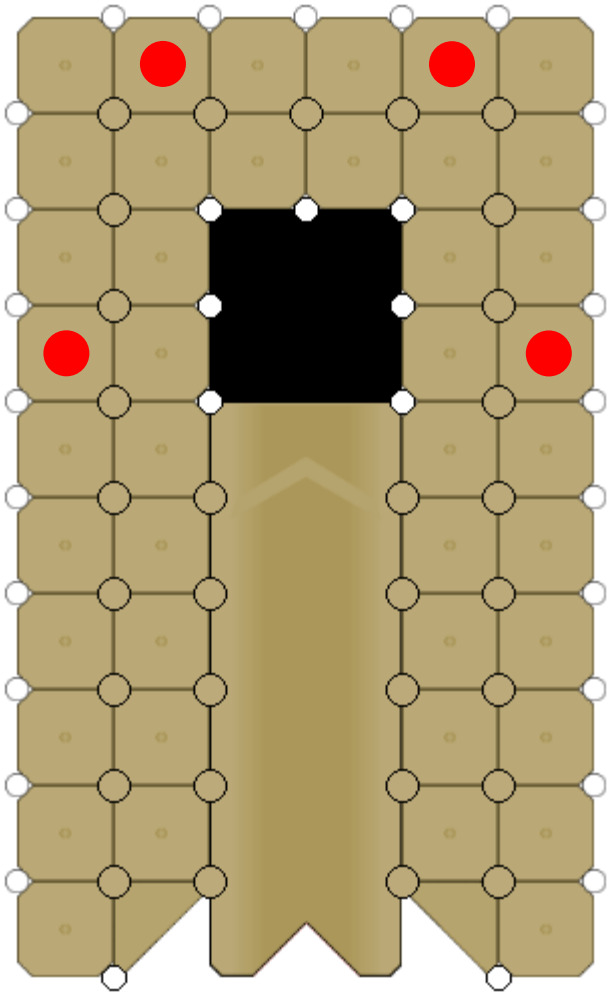
It is also probable that in the event of a regular "POST CUBE AND PILES" anchoring technique, additional accessories may be required to secure the upper section of the piles onto another fixed structure. In this case, location of the POST CUBES may be changed to accommodate the needed bracket and hardware. Additionally, the POST CUBES may also be substituted with our HDPE PILE GUIDE FOR 2 7/8 '' STEEL PILE if the situation allows.

IMPORTANT NOTICES

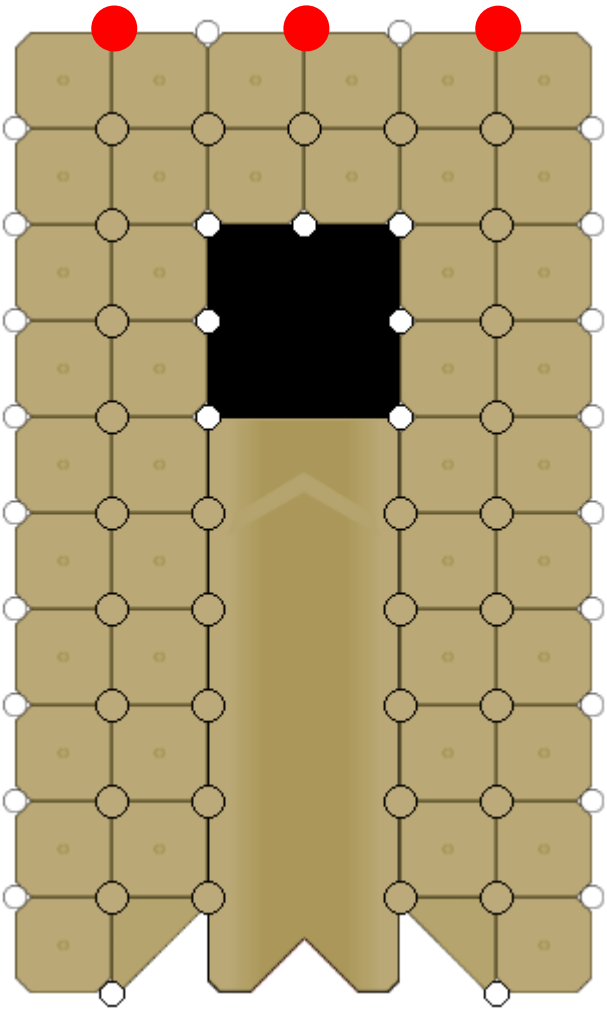
-Symmetricity is imperative. Thus, anchoring components should be included on both sides of the system.

-One of the main objectives is to prevent left/right and back/forth movements while allowing up/down movement with water fluctuations as well as the needed leeway of the system to sink during berthing and un-berthing maneuvers.

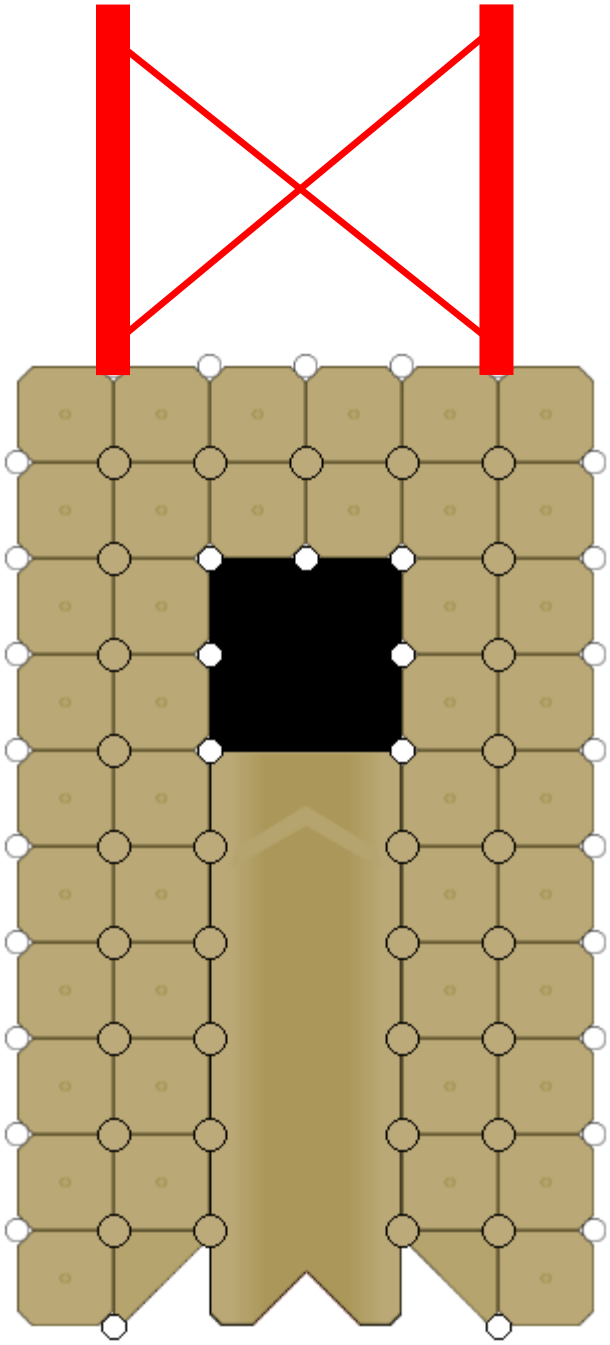
1 – POST CUBE AND PILINGS



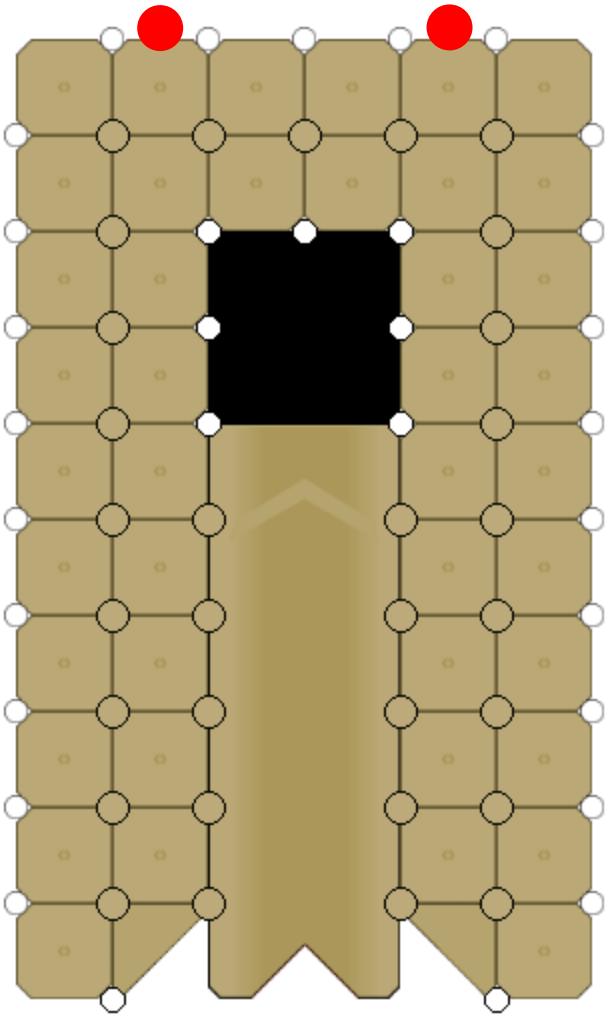
2 – WALL ANCHORAGES



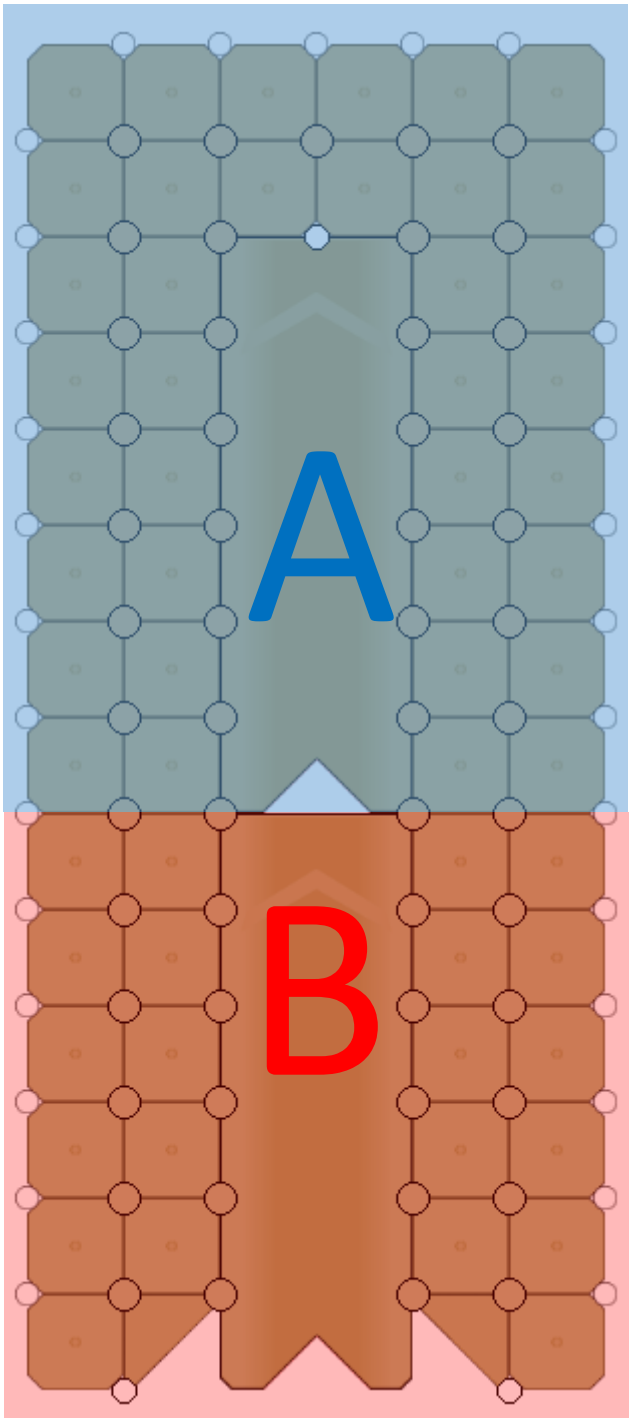
1 – ANCHORING STRUTS



2 – SLIDING H-BEAM



DUAL JETSLIDE SYSTEM FOR BOAT (2 JETSLIDES)



-If boat is longer than 16.5 ft, a combination of anchoring products is required.

-If boat is heavier than 2000 lbs., a combination of anchoring products is required.

-The heavier the boat is, the stronger/heavier the rear anchor points need to be.

-Anchoring items featured in zone **A** should always consist of either piles, wall anchorages anchoring struts or H-beam sliding anchorage.

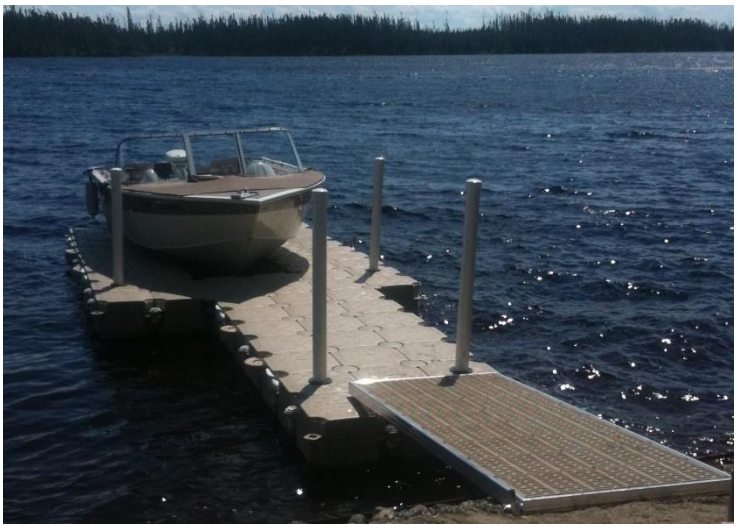
-Anchoring items featured in zone **B** should always consist of either under water anchoring points or ropes and cleats against another fixed or floating structure.

-If placed on the side of the system, make sure the “rear” ropes will allow vertical movement when boat is going up and down the JETSLIDE

-A Minimum of **4 ANCHOR POINTS** should be considered at all time.

-If using under water anchor points, simply ask your dealer for recommended weight/type of anchors and line attachments you should be using.

A FEW EXAMPLES



⊙ JETROLL DRY-DOCK SYSTEM

JETROLL SYSTEM BASIC CONCEPTS

The JETROLL dry-dock system is a single piece unit that is especially designed to accommodate PWC's.

Consisted of a single piece of medium density polyethylene, with 100% of its interior filled with expanded polystyrene; the JETROLL is virtually unsinkable. In opposition with the JETSLIDE, the JETROLL is equipped with 12 nylon wheels on stainless steel shafts which allows for even easier berthing and unberthing maneuvers. Furthermore, as it requires virtually no assembly, it offers advantages that are not to be neglected.

Depending on the environment and the PWC that is at stake , Candock will determine the proper anchoring layout.

There are some basic yet, important rules and premises to ensure a functional system:

1- CANDOCK'S PROPOSED ANCHORING CONFIGURATION SHOULDN'T BE ALTERED IN ANY WAYS.

2- OPERATING MANOUEVERS THAT ARE IMPLIED WITH SUCH A SYSTEM MUST BE MASTERED BY EACH USERS.

3-CANDOCK IS NOT LIABLE FOR ANY DAMAGES RESULTING OF THE NON-COMPLIANCE OF THE FOLLOWING GUIDELINES.

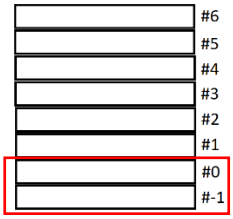
JETROLL (BOW-STOP, HOLE CAPS AND WHEELS)

USEFUL LINKS AND RESOURCES:

YouTube

Website

TAB POSITIONS



SPECIFICATIONS

Material/Composition: Medium-density polyethylene resin – Roto-molded
Available colors: Beige and Gray
Dimensions: L x W: 386 cm (152”) x 193 cm (76”) H: 30.5cm (12”)
Weight: 159 kg (350 lbs.)
Needed tools: G2 key for pin, Key for nut, rubber mallet, Halen key

SKU NUMBERS

JETROLL BASIC KIT BEIGE: B0363
JETROLL BASIC KIT GRAY: B0362
BOW-STOP BEIGE: B0365
BOW-STOP GRAY: B0364
HOLE CAP BEIGE: B0367
HOLE CAP GRAY: B0366
WHEELS: F0208
SHAFTS: F0202

TERMINOLOGY

TABS: (4x) prominent threaded openings that are on the front of the JETROLL; which are located at height “0” and “-1”. The 2 outside tabs are the lowest (-1) and the 2 center ones are the highest (-0). This particularity allows for our EDGE cubes to be merged at the front of the JETROLL. As opposed to our regular CUBE coupling system; which requires the addition of a SLIDING NUT at the bottom of a connection point so that the CONNECTING PIN can have traction in the threads, the JETSLIDE has its own threads inside the tabs along its sides.

PLUGS: These watertight plugs are always found the front part of the JETROLL. These plugs, made of a breathable material, act as pressure release valves; thus preventing JETROLL’s deformation which is due to temperature changes and pressure variations. Furthermore, these plugs prevent any condensation inside the JETROLL.

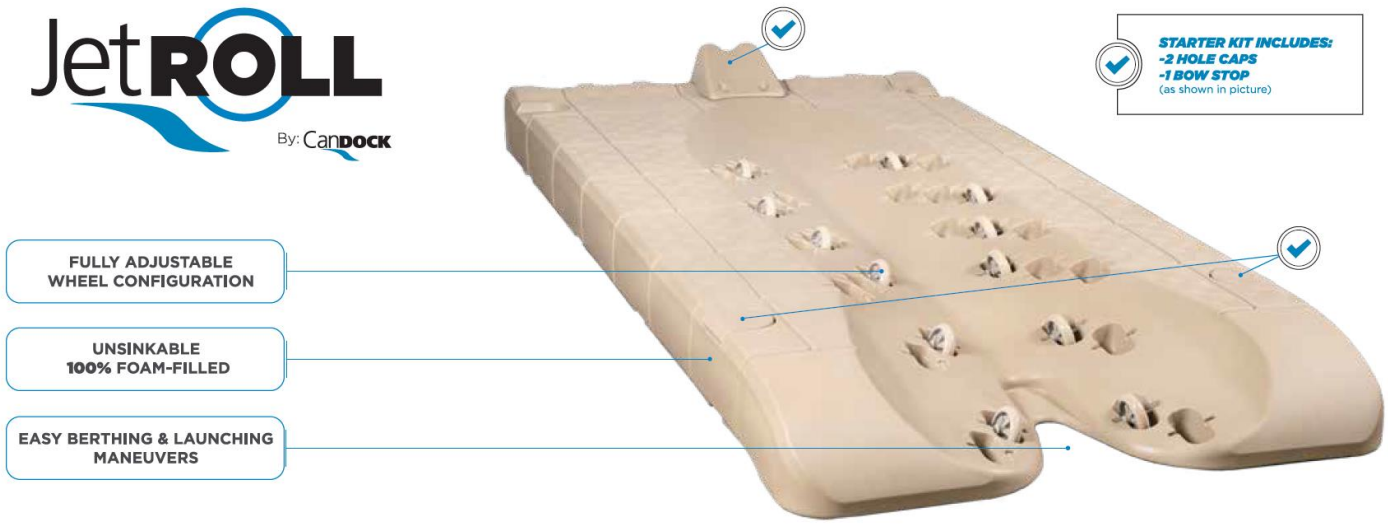
WHEELS & PLASTIC WASHERS: (12x) nylon and polyurethane wheels and (12x) nylon washers that can be positioned in numerous configurations to ensure optimal fit with any PWC on the market. Include (1x) small nylon washer on each side of each wheel (24x) total for each Jetroll.

SHAFTS: (12x) stainless shafts that allow for smooth rolling motion of the wheels.

BOW-STOP: Molded plastic piece positioned at the front of the JETROLL to help preventing the PWC from exceeding the towards the front of the system during berthing maneuvers.

HOLE CAP: Molded plastic piece that can be “snapped-on” into the circular openings on the 4 corners of the JETROLL. Depending and adequate anchoring layout and accessories, these are to be inserted in the remaining openings to prevent trip hazard.

OVERVIEW



ASSEMBLY PROCEDURE

PRIOR TO INSTALLATION

1-Assemble on a flat surface rather than water.

PROCEDURE:

1-Prepare the needed parts around your JETROLL (2 HOLE CAPS, 1 BOW-STOP and 12 WHEELS AND SHAFTS.

2-Determine the location of the 12 wheels. Ideally, Candock advocates using the featured pre-set (above image). The goal is to create a lower supporting layout in the middle of the system to create a cradle for the machine to rest in. Especially after/during berthing maneuvers, this lower-center geometry is highly appreciated to prevent the PWC form rolling back in the water by itself.

3-Using the rubber mallet, hammer down the wheels and shafts assembly in a 1 or 2 stroke motion directly onto the wheels.

4-Secure the BOW-STOP using the provided hardware. Brass inserts are already casted in the plastic of the unit.

5- If needed, using the rubber mallet, hammer down HOLE-CAPS in the proper locations.

OPERATING A WATER-CRAFT WITH THE JETSLIDE

IMPORTANT NOTICE

The water depth at the back of the JETROLL must be of at least 1m (3.3') to avoid potential damage to turbine of the PWC.

GOING UP THE SYSTEM

Approach the JETROLL at idle, keeping the craft straight and centered with the JETROLL. When the bow of the craft will be in contact with the JETROLL, give small throttle strokes that will make the craft align with the JETROLL. When the craft is in line with the JETROLL, throttle in slowly. After a few tries, you will rapidly develop a feel of how much throttle you must use to reach final position on the JETROLL

NOTE: It is recommended to secure the craft to the BOW-STOP's eyelet to prevent the PWC from rolling back into the water accidentally.

GOING DOWN THE SYSTEM

To go back into the water, initiate the procedure by pushing the PWC backwards of 30-60cm (1' to 2') to bring the weight of the machine towards the back of the system. Then, stand up at the back of your PWC, grab the handle of the seat and transfer your weight backwards. The easiest way to push the PWC backwards is to grab the nose of the PWC in one hand and the handle with the other and then, push gently. Be vigilant, because at some point, your PWC will want to go down by itself. At this point, you will have to get on it if you do not want your watercraft in the water without you.

WARNINGS & SPECIAL INSTRUCTIONS

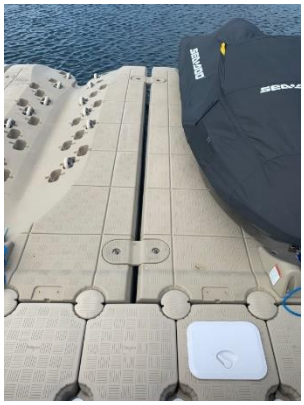
1- For all JETROLL systems, the surrounding environments must not be subjected to waves of more than 60cm (24'). We recommend installing a JETSLIDE system in a protected area.

2-The installation of multiple JETROLL side by side is possible, but we insist that the available LINK KITS are to be included at every connecting point (2 LINK KITS in between each JETROLL)

3-Surfaces can be slippery when the system is wet.

4-All PWCs must be completely brough to the front of the JETROLL at all time.

LINK-KITS



SPECIFICATIONS

Material/Composition: HDPE and SS 316 L
Available colors: Beige and Gray
Dimensions:
Needed tools: (2x)15/16'' ratchet sockets and wrenches.

SKU NUMBERS

LINK KIT BEIGE: B0369
LINK KIT GRAY: B0368

TERMINOLOGY

UPPER LINK: Rotomolded plastic piece that fills the voids of the piling openings on the JETROLLS.

THREADED ROD AND HARDWARE: SS 316 and brass hardware to link the upper and lower link parts together.

LOWER LINK: HDPE plate that is fitted underneath the Jetroll allow for a complete assembly of the LINK KIT.

OVERVIEW

The addition of LINK KITS in between multiple JETROLLS may be suggested or mandatory depending on the environment and conditions the systems are to be installed in. please refer to your Candock distributor to know if LINK KITS should be included on your system. The addition of LINK KITS will provide a stiffer assembly and will also prevent the JETROLLS from moving/sinking independently.

ASSEMBLY PROCEDURE

PRIOR TO INSTALLATION

Position the JETROLLS in the water at their final location prior to installing the LINK KITS

One person should be standing on the JETROLLS with one tool and the other person should be in the water with the other tool to hold the “bottom” hardware.

PROCEDURE:

1-Postion the upper and lower links onto the JETROLL connection point.

2-Insert threaded rods with washers from the top.

3-Place and hold the lower link underneath the JETROLLS

3-Insert the lower hardware and hold in place while the person on the JETROLLS screws the threaded rod in place.

EXTENDED CONNECTING PINS **FOR JETROLL**

SPECIFICATIONS

Material/Composition: High density polyethylene
Available colors: Beige and Gray
Dimensions: L :26.6cm x W: 17.2 cm (6.88”) / Shaft diameter : 4.547 cm (1.819”)
Weight: 377g
Needed tools: G2 key for pin

SKU NUMBERS

EXTENDED CONNECTING PIN BEIGE: A0093
EXTENDED CONNECTING PIN GRAY: A0094

TERMINOLOGY

HEAD: Upper part of the CONNECTING PINS designed with a flat and anti-skid surface.

NOTCH: Manufactured recess in the pin’s head that allows the tool to insert the key for screwing and unscrewing.

SHAFT: Male part of our coupling system, the extended treaded shaft is to be inserted in the JETROLL’s front tabs.

ASSEMBLY PROCEDURE

1-Initiate the rotating process by hand.

2-When the CONNECTING PIN has access to the JETROLL’s tab threads, proceed by screwing manually or mechanically with the proper tools.

3-Make sure to securely tighten the CONNECTING PINS until snug, without over tightening them.

TIPS

1-When initially inserting the CONNECTING PINS in place, you might want to firmly “tap” the pin in place. By proceeding so, you will ensure a strong “initial” grip of the shaft treads into the threads. Likewise, this “tap” will help you get the pin through the cube’s tabs resting on top of the JETROLL’s tabs.

2-Once the assembly process is completed, align the NOTCHES of the CONNECTING PINS using the manual key. This simple operation will allow to quickly locate any CONNECTING PINS which could have unscrewed over time.

3-Always proceed with caution if using a power drill to fasten the CONNECTING PINS, the drill can have tendency to “kick”. Use protective footwear. If using power drill to unscrew pins, always loosen-up the pins manually prior to using the drill.
4- Never use an ‘’impact tool’’ to fasten the connecting pins as you will most likely damage the connecting pins as well as the assembly key for drill.

PWC JETROLL SYSTEM CONFIGURATION GUIDELINES

The following section is also very important to Candock. **Indeed, the configuration of a PWC Jetroll system is of the outmost importance to ensure optimal durability and performances of the system.** Thus, following the below recommendations and guidelines is key for your product to perform as we intend.

There are several sizes and models of PWCs so the below configurations may have to be modified on a case by case basis. Please contact a Candock representative in the event you wish to alter the below configurations.

IMPORTANT NOTIONS

-Always keep rear (entry point) of the JETROLL free in order for it to sink freely when the PWC is climbing onto the system.

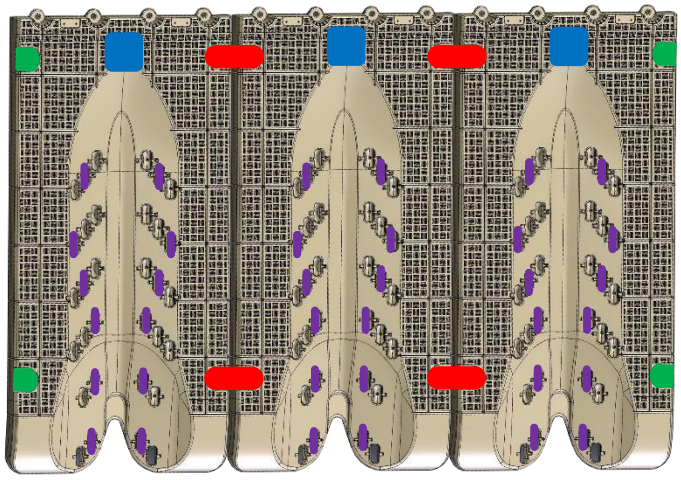
-For multiple units assembled together, LINK KITS may or may not be suggested. The overall exposure and application in mind will influence the inclusion or exclusion of LINK KITS. Always refer to your Candock representative for guidance.

-Upon completion of an installation, HOLE CAPS or LINK KITS will be mandatory in all 4 pile openings of the JETROLL(s) to insure a safe and “trip hazard” free environment.

-BOW STOPS are mandatory on all JETROLLL installation

-The inclusion of 12 wheels are mandatory on all JETROLL

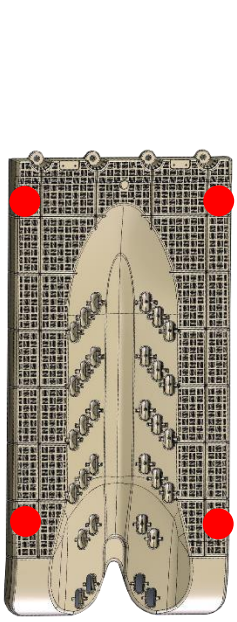
-The ideal wheel configuration may vary in relation to the hull’s shape and machine size.



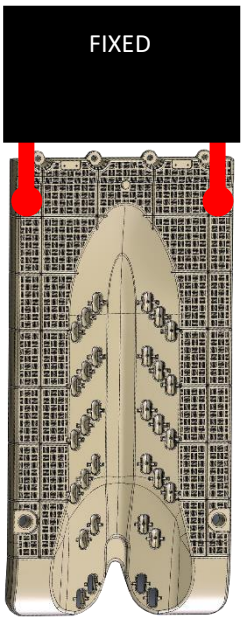
PWC JETROLL SYSTEM ANCHORING GUIDELINES

The following configurations are showcased to help determine the best scenario for each situation. Obviously, the number of factors that will influence the exact suggested layout are numerous so the following proposed layouts must not be taken integrally. Modifications and altering of these are highly probable. Please contact a Candock representative to gather clarification and validation on the below configurations.

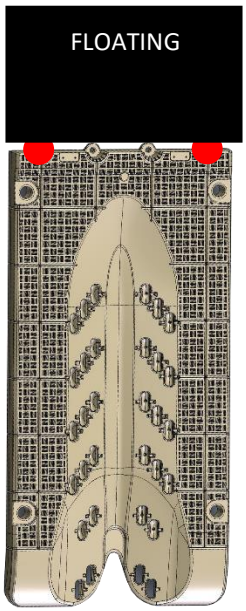
The below section will be segmented as per our anchoring accessories/techniques categories. Note that combinations of multiple techniques may or may not apply, and some alterations of the below accessories/techniques may also be involved in the process. The below list aims at covering as many of the possible scenarios. If the Jetroll system is to be secured against another floating or fixed structure (another Candock system, a regular floating dock, a fixed dock or seawall); it is imperative that this "other" structure is properly anchored or fixed in place for it to withstand the torque that will be applied by the addition of the Jetroll.



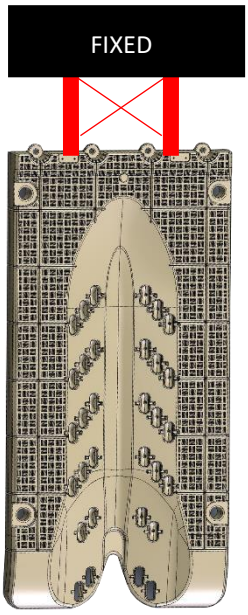
STAND ALONE ANCHORING WITH **PILES & PVC SLEEVES**



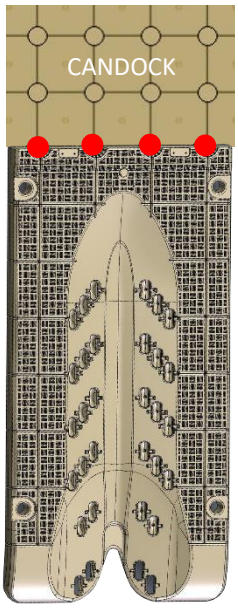
ANCHORING WITH **2 7/8" STEEL PILES + PVC SLEEVES AND UPPER PILE SECTION FASTENING ACCESSORIES**



ANCHORING WITH **SWIVEL ANCHOR CHANNELS**



ANCHORING WITH **ANCHORING STRUTS (LENGTH 5' MAX)**



CONNECTED TO A CANDOCK WITH **(4X) EXTENDED CONNECTING PINS + (12x) SPACERS**

⊙ GANGWAYS

GANGWAYS BASIC CONCEPTS AND CONFIGURATION GUIDELINES

The Candock aluminum access ramps (gangways) array of products allows for a meticulously tailored transition passage from your shoreline to your Candock system. All our gangways are consisted of an assembly of multiple components. A proper analysis of the environment, the application of the dock as well as your specific needs and requirements will determine the gangway configuration and its components. Also note that we can provide customized gangway configurations if the below array of accessories is not suited for your environment and application. Please contact a Candock representative for more information.

Several widths, lengths and gages are available to suit most of the possible scenarios.

The categories of accessories can be classified as follow:

1-SHORE-END ACCESSORIES

2-GANGWAY RAMP ACCESSORIES

3-DOCK-END ACCESSORIES

The following rules are very important to abide to ensure an optimal efficiency and durability of your gangway:

1- A GANGWAY SHOULD NEVER BE STRONGLY SECURED AT BOTH ENDS (SHORE-END AND DOCK-END)

2- IF INSTALLING A GANGWAY OF 6M (20') OR MORE, GANGWAY REINFORCEMENT OR RAILINGS ARE MANDATORY

3- THE SHORE-END CONNECTING POINT OF ANY GIVEN GANGWAY SHOULD BE HIGHER THAN HIGHEST POSSIBLE WATER LEVEL.

4- TO KEEP A MODEARTE DOWN SLOPE, A GANGWAY'S LENGTH SHOULD BE AT LEAST 3 TIMES LONGER THAN THE VERTICAL DEPRESSION IT HAS TO COVER FOR

GANGWAY FRAMES (REGULAR, ECONO AND MODULAR)

SPECIFICATIONS

Material/Composition: 6005 T-61 Marine grade aluminum and stainless-steel hardware
Specifications: See our GANGWAY SPECIFICATION CHART
Needed tools: Rubber mallet, ratchet tool kit, and impact power drill.

AVAILABLE CATEGORIES

REGULAR FRAMES: Consisted of an entirely welded assembly, our REGULAR FRAMES are made with 5.08cm x 12.70cm (2'' x 5'') extrusion profiles. They are usually preferred for rugged residential application or commercial/industrial applications. They are the strongest frames available at Candock. See below SKU list for available dimensions. **No assembly required.**

ECONO FRAMES: Consisted of an entirely welded assembly, our ECONO FRAMES are made with 2.54cm x 7.62cm (1'' x 3'') extrusion profiles. They are usually preferred for light duty residential application. The longest model we offer is 3.60m (12') long. See below SKU list for available dimensions. **No assembly required**.

MODULAR FRAMES: Consisted of an entirely modular assembly. Our MODUALR FRAMES are made with 3.49cm x 8.57cm (1.375'' x 3.375'') extrusion profiles. They are usually preferred for light duty residential application. The longest model we offer is 3.60m (12') long. As the frames are not assembled when shipped, they offer a great advantage by generating considerable savings on shipping costs. See below SKU list for available dimensions. **All components are to be bolted and screwed together after delivery at the customer's place.**

ASSEMBLY PROCEDURE - THE MODULAR GANGWAY FRAMES

See instruction video:

https://www.youtube.com/watch?v=vH6dv8J0c9g&list=PLmLmDtH9FZgCJBbUSVaBxIWi_7XCzh6H2&index=7

SKU NUMBERS

REGULAR GANGWAY FRAME 90cm X 360cm (3’ X 12’): B0232
REGULAR GANGWAY FRAME 90cm X 480cm (3’ X 16’): B0158
REGULAR GANGWAY FRAME 90cm X 600cm (3’ X 20’): B0160
REGULAR GANGWAY FRAME 90cm X 720cm (3’ X 24’): B0162
REGULAR GANGWAY FRAME 90cm X 841cm (3’ X 28’): B0164
REGULAR GANGWAY FRAME 90cm X 961cm (3’ X 32’): B0166
REGULAR GANGWAY FRAME 120cm X 360cm (4’ X 12’): B0157
REGULAR GANGWAY FRAME 120cm X 480cm (4’ X 16’): B0159
REGULAR GANGWAY FRAME 120cm X 600cm (4’ X 20’): B0161
REGULAR GANGWAY FRAME 120cm X 720cm (4’ X 24’): B0163
REGULAR GANGWAY FRAME 120cm X 841cm (4’ X 28’): B0165
REGULAR GANGWAY FRAME 120cm X 961cm (4’ X 32’): B0167
REGULAR GANGWAY FRAME 150cm X 360cm (5’ X 12’): B0081
REGULAR GANGWAY FRAME 150cm X 480cm (5’ X 16’): B0082
REGULAR GANGWAY FRAME 150cm X 600cm (5’ X 20’): B0083
REGULAR GANGWAY FRAME 150cm X 720cm (5’ X 24’): B0084
REGULAR GANGWAY FRAME 150cm X 841cm (5’ X 28’): B0085
REGULAR GANGWAY FRAME 150cm X 961cm (5’ X 32’): B0087
ECONO GANGWAY FRAME 90cm X 120cm (3’ X 4’): B0092
ECONO GANGWAY FRAME 90cm X 240cm (3’ X 8’): B0149
ECONO GANGWAY FRAME 90cm X 360cm (3’ X 12’): B0184
ECONO GANGWAY FRAME 120cm X 120cm (4’ X 4’): B0069
ECONO GANGWAY FRAME 120cm X 240cm (4’ X 8’): B0151
ECONO GANGWAY FRAME 120cm X 360cm (4’ X 12’): B0183
ECONO GANGWAY FRAME 150cm X 120cm (5’ X 4’): B0003
ECONO GANGWAY FRAME 150cm X 240cm (5’ X 8’): B0079
ECONO GANGWAY FRAME 150cm X 360cm (5’ X 12’): B0078

GANGWAY REINFORCEMENTS (REGULAR FRAMES)

SPECIFICATIONS

Material/Composition: 6005 T-61 Marine grade aluminum and stainless-steel hardware
Specifications: See our GANGWAY SPECIFICATION CHART

SKU NUMBERS

GANGWAY REINFORCEMNT - PER LINEAR 30.48cm(FT): B0170

PRODUCT INFORMATION

Consisted of an entirely welded truss assembly, our GANGWAY REINFORCEMENT provides additional strength and stiffness to our REGULAR GANGWAY FRAMES when gangways are 480cm (16') or longer and that GANGWAY RAILINGS are not included on the gangway assembly. **No assembly required**.

RAILINGS (H.D., REGULAR, ECONO AND MODULAR)

SPECIFICATIONS

Material/Composition: 6005 T-61 Marine grade aluminum and stainless-steel hardware
Specifications: Height: 106.6cm (42''); for specifications, see our GANGWAY SPECIFICATION CHART
Needed tools IF USING THE BOLTED MODEL: Rubber mallet, ratchet tool kit, Helen key and impact power drill.

SKU NUMBERS

H.D. GANGWAY RAILINGS - PER LINEAR 30.48cm (FT) WELDED: B0026
H.D. GANGWAY RAILINGS - PER LINEAR 30.48cm (FT) BOLTED: B0101
REGULAR GANGWAY RAILINGS - PER LINEAR 30.48cm (FT) WELDED: B0168
REGULAR GANGWAY RAILINGS - PER LINEAR 30.48cm (FT) BOLTED: B0169
ECONO GANGWAY RAILINGS - PER LINEAR 30.48cm (FT) WELDED: B0359
ECONO GANGWAY RAILINGS - PER LINEAR 30.48cm (FT) BOLTED: B0358
MODULAR GANGWAY RAILINGS – 240cm (8'): B0345
MODULAR GANGWAY RAILINGS – 360cm (12'): B0346

AVAILABLE CATEGORIES

H.D. GANWAY FRAME RAILINGS (WELDED OR BOLTED): Consisted of an entirely welded assembly that can either be bolted or factory-welded onto our REGULAR GANGWAY FRAMES, our H.D. RAILINGS provide additional strength and stiffness to our gangways while adding a safety factor for the pedestrians. They are usually preferred for rugged commercial or industrial application. They are the strongest railings available at Candock. See below SKU list for available models. **Assembly required for the BOLTED version.**

REGULAR GANWAY FRAME RAILINGS (WELDED OR BOLTED): Consisted of an entirely welded assembly that can either be bolted or factory-welded onto our REGULAR GANGWAY FRAMES, our REGULAR RAILINGS provide additional strength and stiffness to our gangways while adding a safety factor for the pedestrians. They are usually preferred for rugged residential application or light duty commercial application. They are Candock's mid-range railings. See below SKU list for available models. **Assembly required for the BOLTED version.**

ECONO GANWAY FRAME RAILINGS (WELDED OR BOLTED): Consisted of an entirely welded assembly that can either be bolted or factory-welded onto our ECONO GANGWAY FRAMES, our ECONO RAILINGS provide additional strength and stiffness to our gangways while adding a safety factor for the pedestrians. They are usually preferred for light duty residential application. They are Candock's lightest duty railings. See below SKU list for available models. **Assembly required for the BOLTED version.**

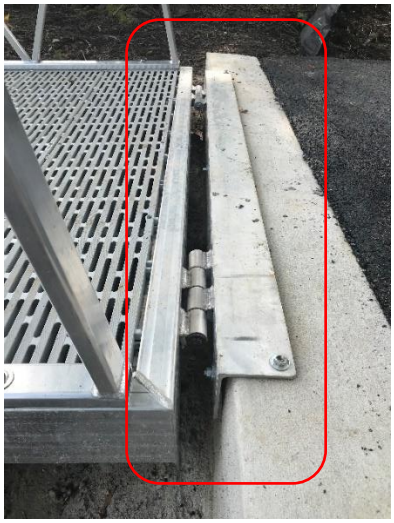
MODULAR RAILINGS: Consisted of an entirely modular railing assembly, MODULAR RAILINGS provide additional strength and stiffness to our MODULAR GANGWAYS while adding a safety factor for the pedestrians. They are usually preferred for light duty residential application. As the railings are not assembled when shipped, they offer a great advantage by generating considerable savings on shipping costs. See below SKU list for available models. **All components are to be bolted and screwed together after delivery at the customer's place.**

ASSEMBLY PROCEDURE - THE MODULAR GANGWAY RAILINGS

See instruction video:

https://www.youtube.com/watch?v=3ka9MAqze28&list=PLmLmDtH9FZgCJBbUSVaBxIWi_7XCzh6H2&index=10&t=134s

DEPARTURE ANGLES (H.D.,REGULAR, ECONO AND MODULAR)



SPECIFICATIONS

Material/Composition: 6005 T-61 Marine grade aluminum, UHMW bushings and stainless-steel hardware
Needed tools: IF USING THE BOLTED MODEL: Ratchet tool kit, proper tools, and hardware to secure the 90 degrees profile onto the existing shoreline structure (seawall, fixed dock, etc.…).

AVAILABLE CATEGORIES

H.D. GANWAY FRAME DEPARTURE ANGLE (WELDED OR BOLTED): Consisted of an entirely welded assembly that can either be bolted or factory-welded onto our REGULAR GANGWAY FRAMES, our H.D. DEPARTURE ANGLE pivot system allows for smooth upwards and downwards movements of the gangway to follow the fluctuations of the water levels. They are usually preferred for rugged commercial or industrial application. They are the strongest departure angle available at Candock. See below SKU list for available models. **Assembly required for the BOLTED version.**

REGULAR GANWAY FRAME DEPARTURE ANGLE (WELDED OR BOLTED): Consisted of an entirely welded assembly that can either be bolted or factory-welded onto our REGULAR GANGWAY FRAMES, our REGULAR DEPARTURE ANGLES pivot system allows for smooth upwards and downwards movements of the gangway to follow the fluctuations of the water levels. They are usually preferred for rugged residential application or light duty commercial application. They are Candock's mid-range departure angles. See below SKU list for available models. **Assembly required for the BOLTED version.**

ECONO GANWAY FRAME DEPARTURE ANGLE (WELDED OR BOLTED): Consisted of an entirely welded assembly that can either be bolted or factory-welded onto our ECONO GANGWAY FRAMES, our ECONO DEPARTURE ANGLES pivot system allows for smooth upwards and downwards movements of the gangway to follow the fluctuations of the water levels. They are usually preferred for light duty residential application. They are Candock's lightest duty departure angle. See below SKU list for available models. **Assembly required for the BOLTED version.**

MODULAR DEPARTURE ANGLE: Consisted of an entirely modular departure angle assembly, our MODULAR DEPARTURE ANGLES pivot system allows for smooth upwards and downwards movements of the gangway to follow the fluctuations of the water levels. They are usually preferred for light duty residential application. As the departure angles are not assembled when shipped, they offer a great advantage by generating considerable savings on shipping costs. See below SKU list for available models. **All components are to be bolted and screwed together after delivery at the customer's place.**

ASSEMBLY PROCEDURE - THE MODULAR GANGWAY DEPARTURE ANGLES

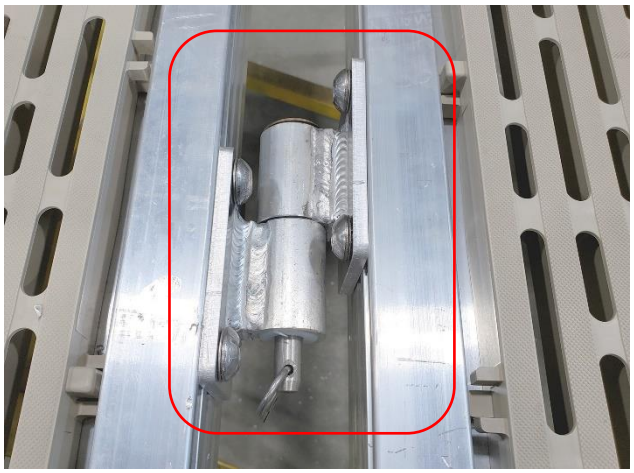
See instruction video:

https://www.youtube.com/watch?v=MPlWii0-r7Y&list=PLmLmDtH9FZgCJBbUSVaBxIWi_7XCzh6H2&index=9&t=4s

SKU NUMBERS

H.D. GANGWAY FRAME DEPARTURE ANGLE 90cm (3') WELDED: B0072
H.D. GANGWAY FRAME DEPARTURE ANGLE 90cm (3') BOLTED: B0114
H.D. GANGWAY FRAME DEPARTURE ANGLE 120cm (4') WELDED: B0073
H.D. GANGWAY FRAME DEPARTURE ANGLE 120cm (4') BOLTED: B0113
H.D. GANGWAY FRAME DEPARTURE ANGLE 150cm (5') WELDED: B0089
H.D. GANGWAY FRAME DEPARTURE ANGLE 150cm (5') BOLTED: B0115
REGULAR GANGWAY FRAME DEPARTURE ANGLE 90cm (3') WELDED: B0174
REGULAR GANGWAY FRAME DEPARTURE ANGLE 90cm (3') BOLTED: B0118
REGULAR GANGWAY FRAME DEPARTURE ANGLE 120cm (4') WELDED: B0175
REGULAR GANGWAY FRAME DEPARTURE ANGLE 120cm (4') BOLTED: B0112
REGULAR GANGWAY FRAME DEPARTURE ANGLE 150cm (5') WELDED: B0088
REGULAR GANGWAY FRAME DEPARTURE ANGLE 150cm (5') BOLTED: B0119
ECONO GANGWAY FRAME DEPARTURE ANGLE 90cm (3') WELDED: B0309
ECONO GANGWAY FRAME DEPARTURE ANGLE 90cm (3') BOLTED: B0109
ECONO GANGWAY FRAME DEPARTURE ANGLE 120cm (4') WELDED: B0071
ECONO GANGWAY FRAME DEPARTURE ANGLE 120cm (4') BOLTED: B0110
ECONO GANGWAY FRAME DEPARTURE ANGLE 150cm (5') WELDED: B0091
ECONO GANGWAY FRAME DEPARTURE ANGLE 150cm (5') BOLTED: B0111
MODULAR GANGWAY FRAME DEPARTURE ANGLE 90cm (3'): B0352
MODULAR GANGWAY FRAME DEPARTURE ANGLE 120cm (4'): B0353

HINGED LINK KITS (ECONO AND MODULAR)



SPECIFICATIONS

Material/Composition: 6005 T-61 Marine grade aluminum, UHMW bushings and stainless-steel hardware
Needed tools IF USING THE BOLTED MODEL: Ratchet tool kit, proper tools and hardware to secure the HINGED LINK KIT onto the gangway frames*
*Hardware is included for the MODULAR HINGED LINK KIT product.

SKU NUMBERS

ECONO HINGED LINK KIT (PAIR) WELDED: B0068
ECONO HINGED LINK KIT (PAIR) BOLTED: B0096
MODULAR HINGED LINK KIT (PAIR): B0355

DESCRIPTION

Utilizing the same pivot system as our DEPARTURE ANGLES, the HINGED LINK KITS allow for the merging of 2 gangways, often the first one being fixed; and the second one going down to the floating dock and thus, allow for longer transition from shore to dock while keeping the gangway at reasonable dimensions.

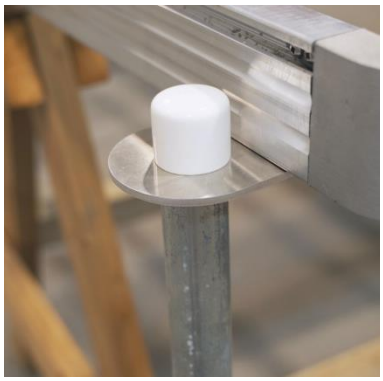
They are usually preferred for light duty residential application. **Assembly required for the BOLTED version and MODULAR version.**

ASSEMBLY PROCEDURE - THE MODULAR GANGWAY HINGED LINK KITS

See instruction video:

https://www.youtube.com/watch?v=MPlWii0-r7Y&list=PLmLmDtH9FZgCJBbUSVaBxIWi_7XCzh6H2&index=9&t=45s

SHORE-END PILE BRACKETS (REGULAR AND MODULAR)



SPECIFICATIONS

Material/Composition: 6005 T-61 Marine grade aluminum and stainless-steel hardware
Needed tools IF USING THE BOLTED MODEL: Ratchet tool kit, proper tools, and hardware to secure the HINGED LINK KIT onto the gangway frames*
*Hardware is included for the MODULAR SHORE-END PILE BRACKET product.

SKU NUMBERS

REGULAR/ECONO SHORE-END PILE BRACKETS (PAIR) WELDED: B0181
REGULAR/ECONO SHORE-END PILE BRACKETS (PAIR) BOLTED: B0117
MODULAR SHORE-END PILE BRACKETS (PAIR): B0348

DESCRIPTION

Utilizing a simple pivoting system and small landscaping piles, we can secure our gangways on a sandy/grassy shoreline to ensure a safe passage from the shoreline onto the dock. As these are not 100% fail proof (which is intended), the connection point will release in the event of a storm or rough water conditions an; thus, prevent potential damage to gangway and its components.

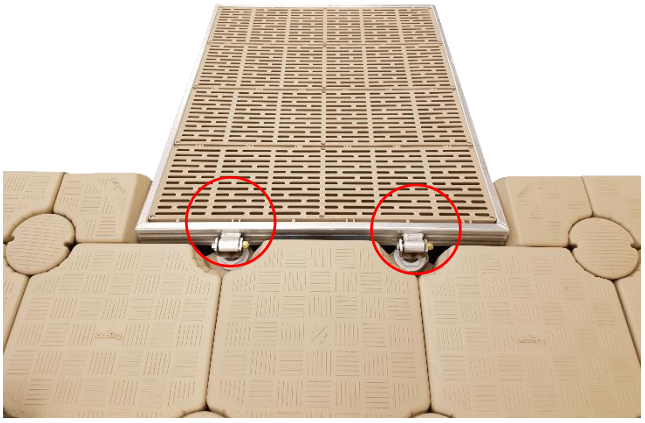
They are usually preferred for light duty residential application. **Assembly required for the BOLTED version and MODULAR version.**

ASSEMBLY PROCEDURE - THE MODULAR GANGWAY SHORE-END PILE BRACKET

See instruction video:

https://www.youtube.com/watch?v=MPlWii0-r7Y&list=PLmLmDtH9FZgCJBbUSVaBxIWi_7XCzh6H2&index=9&t=45s

CANDOCK HINGES (REGULAR AND MODULAR)



SPECIFICATIONS

Material/Composition: 6005 T-61 Marine grade aluminum, UHMW bushings, stainless-steel and brass hardware (1'' 3/16 Nut)
Needed tools IF USING THE BOLTED MODEL: Ratchet tool kit, proper tools and hardware to secure the HINGED LINK KIT onto the gangway frames*
*Hardware is included for the MODULAR CANDOCK HINGES product.

SKU NUMBERS

REGULAR/ECONO CANDOCK HINGES (PAIR) WELDED 19'' C/C: B0177
REGULAR/ECONO CANDOCK HINGES (PAIR) WELDED 38'' C/C: B0329
REGULAR/ECONO CANDOCK HINGES (PAIR) BOLTED: B0116
MODULAR CANDOCK HINGES (PAIR): B0349

DESCRIPTION

Utilizing a simple pivoting system as well as height-adjustable threaded rods, we can allow a gangway to be firmly secured on the edge of a Candock dock while allowing for smooth upwards and downwards movements of the dock and gangway assembly to follow the fluctuations of the water levels. Usually, we include our SHORE-END PILE BRACKETS at the shore-end of the gangway thus allowing a second pivoting point on the entire assembly.

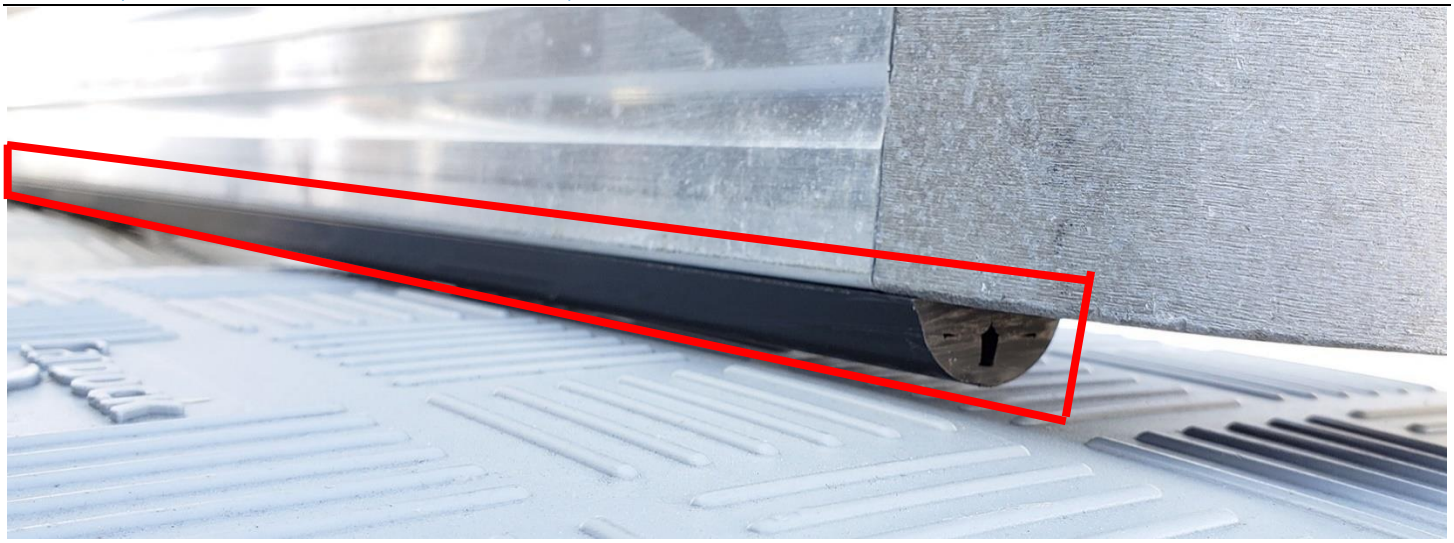
They are usually preferred for light duty residential application. **Assembly required for the BOLTED version and MODULAR version.**

ASSEMBLY PROCEDURE - THE MODULAR GANGWAY CANDOCK HINGES

See instruction video:

https://www.youtube.com/watch?v=MPlWii0-r7Y&list=PLmLmDtH9FZgCJBbUSVaBxIWi_7XCzh6H2&index=9&t=45s

SLIDERS (REGULAR, ECONO AND MODULAR)



SPECIFICATIONS

Material/Composition: HDPE
Needed tools : Philips head screw driver and drill bits IF the slider is not pre-assembled on the gangway frame or transit plate.

SKU NUMBERS

REGULAR GANGWAY SLIDER: B0178
ECONO GANGWAY & TRANSIT PLATE SLIDER: B0179
MODULAR GANGWAY SLIDER 90cm (3'): B0356
MODULAR GANGWAY SLIDER 120cm (4'): B0357

DESCRIPTION

Simple yet efficient accessory to prevent premature wear of the cubes that are located underneath the gangway where it is laying on the Candock. Made of a soft plastic, it will not damage the cubes and will remain extremely cheap to replace in the future.

They are usually preferred for light duty residential application. **Assembly required for MODULAR version.**

ASSEMBLY PROCEDURE - THE MODULAR GANGWAY SLIDER

See instruction video:

https://www.youtube.com/watch?v=MPlWii0-r7Y&list=PLmLmDtH9FZgCJBbUSVaBxIWi_7XCzh6H2&index=9&t=45s

SPECIFICATIONS

Material/Composition: PVC pipe and aluminum and stainless-steel hardware.
Needed tools IF USING THE BOLTED MODEL: Proper power tools and drill bits to drill the holes and a ratchet tool kit to secure the hardware on the gangway frame.

SKU NUMBERS

REGULAR GANGWAY ROLLER 90cm (3') WELDED: B0315
REGULAR GANGWAY ROLLER 90cm (3') BOLTED: B0317
REGULAR GANGWAY ROLLER 120cm (4') WELDED: B0316
REGULAR GANGWAY ROLLER 120cm (4') BOLTED: B0318
REGULAR GANGWAY ROLLER 150cm (5') WELDED: B0320
REGULAR GANGWAY ROLLER 150cm (5') BOLTED: B0322
ECONO GANGWAY ROLLER 90cm (3') WELDED: B0313
ECONO GANGWAY ROLLER 90cm (3') BOLTED: B0001
ECONO GANGWAY ROLLER 120cm (4') WELDED: B0314
ECONO GANGWAY ROLLER 120cm (4') BOLTED: B0276
ECONO GANGWAY ROLLER 150cm (5') WELDED: B0319
ECONO GANGWAY ROLLER 150cm (5') BOLTED: B0321

DESCRIPTION

Simple yet efficient roller to prevent premature wear of the cubes that are located underneath the gangway where it is laying on the Candock. Made of a PVC, it will not damage the cubes and will remain extremely cheap to replace in the future.

They are usually preferred for medium duty residential light duty commercial application.

LANDING WHEEL KITS

SPECIFICATIONS

Material/Composition: High density plastic wheels, stainless steel swivel wheel hubs and stainless-steel hardware.
Needed tools: Ratchet tool kit to secure the hardware on the welded aluminum fastening plates (3x).

SKU NUMBERS

GANGWAY LANDING WHEEL KIT 90cm (3') WELDED: B0326
GANGWAY LANDING WHEEL KIT 120cm (4') WELDED: B0327
GANGWAY LANDING WHEEL KIT 150cm (5') WELDED: B0328

DESCRIPTION

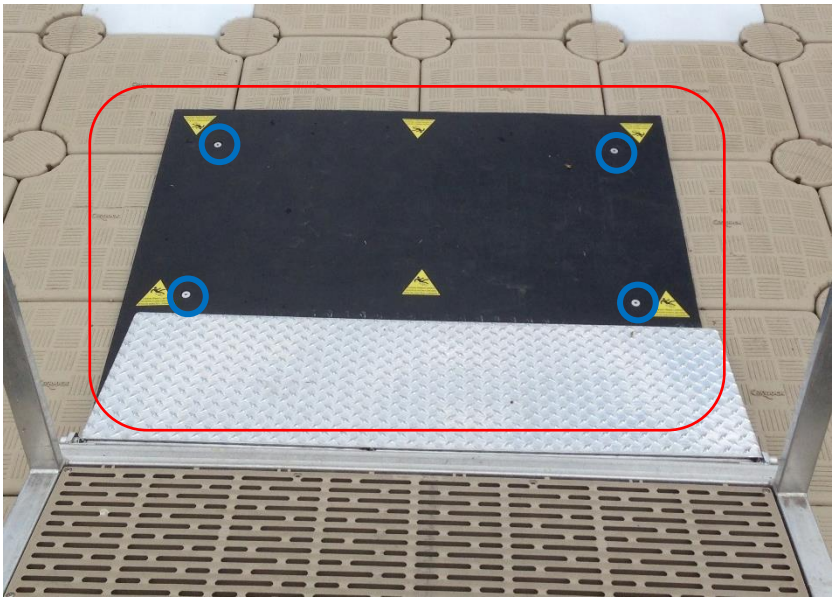
Extremely rugged swivel wheel combination to prevent premature wear of the cubes that are located underneath the gangway where it is laying on the Candock. Allowing for optimal movements of the gangway onto the dock, this method provides the most resilience and durability to the gangway, dock, and their components.

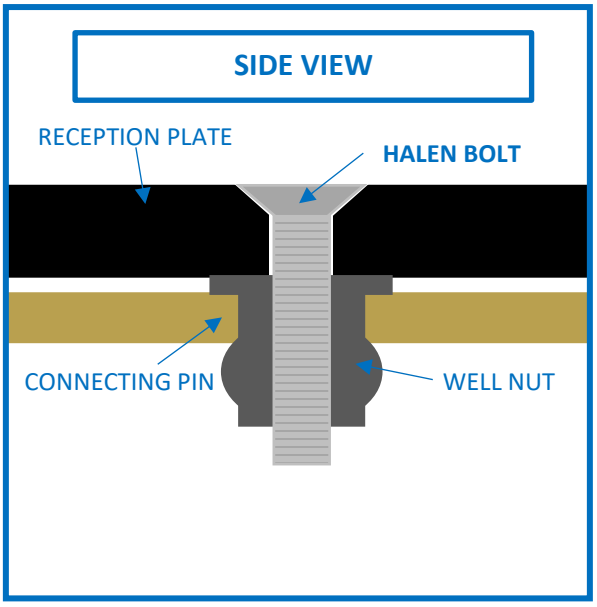
A dock that is fitted with a gangway that includes the LANDING WHEEL KIT must also be equipped of a GANGWAY RECEPTION PLATE. Indeed, it is important that the "rolling surface" that is under the reception point is as flat and uniform as possible.

A gangway that is fitted with the LANDING WHEEL KIT must also be equipped of an EXTENDED TRANSIT PLATE. Indeed, the step that is created by the raised profile of the LANDING WHEEL KIT creates a potential trip hazard and thus, should always be covered with an extended version of our transit plates (length of 60cm (24'') instead of our regular transit plate that stretches to 40cm (16'')).

They are usually preferred for heavy duty commercial application.

GANGWAY RECEPTION PLATES (REGULAR AND HEAVY DUTY)





SPECIFICATIONS

Material/Composition: HDPE plate, rubber "well-nuts" and stainless-steel hardware.
Needed tools for the regular plate*: Power drill and drill bit to drill the holes on the head of the connecting pins and Halen key to secure the plate into the "well-nuts".

SKU NUMBERS

13mm (1/2") GANGWAY RECEPTION PLATE 120cm x 150cm (4' x 5'): B0129
19mm (3/4") HEAVY DUTY GANGWAY RECEPTION PLATE 120cm x 243cm (4' x 8'): B0354

DESCRIPTION

The GANGWAY RECEPTION PLATE allows the gangways to rub/slide/roll on a much flatter surface than the surface of our cubes. It also prevents premature wear for the dock and gangway components. It is important that the positioning of the plates allows for a full coverage of the area where the gangway is subjected to travel onto the dock. It is possible to install 2 reception plates side by side to cover a greater area.

For installation, the plate itself act as a templet for drilling the holes in the connecting pins. Obviously, it is imperative not to secure the plate directly on the cubes, which would compromise their buoyancy. Always position the holes (and well-nuts) onto the surroundings connecting pins.

HEAVY DUTY RECEPTION PLATE

For instructions and details on the HEAVY-DUTY RECEPTION PLATE, please contact a Candock representative.

TRANSIT PLATES (REGULAR, ECONO, MODULAR AND EXTENDED)

SPECIFICATIONS

Material/Composition: Aluminum checkered plate and HDPE slider, stainless-steel hardware.
Needed tools IF USING THE BOLTED MODEL:
Proper power tools and drill bits to drill the holes and a ratchet tool kit to secure the hardware on the gangway frame.
Halen key

SKU NUMBERS

ECONO GANGWAY TRANSIT PLATE 90cm x 40cm (3’ x 16”) WELDED: B0129
ECONO GANGWAY TRANSIT PLATE 90cm x 40cm (3’ x 16”) BOLTED: B0129
ECONO GANGWAY TRANSIT PLATE 120cm x 40cm (4’ x 16”) WELDED: B0129
ECONO GANGWAY TRANSIT PLATE 120cm x 40cm (4’ x 16”) BOLTED: B0129
ECONO GANGWAY TRANSIT PLATE 150cm x 40cm (5’ x 16”) WELDED: B0129
ECONO GANGWAY TRANSIT PLATE 150cm x 40cm (5’ x 16”) BOLTED: B0129
REGULAR GANGWAY TRANSIT PLATE 90cm x 40cm (3’ x 16”) WELDED: B0129
REGULAR GANGWAY TRANSIT PLATE 90cm x 40cm (3’ x 16”) BOLTED: B0129
REGULAR GANGWAY TRANSIT PLATE 120cm x 40cm (4’ x 16”) WELDED: B0129
REGULAR GANGWAY TRANSIT PLATE 120cm x 40cm (4’ x 16”) BOLTED: B0129
REGULAR GANGWAY TRANSIT PLATE 150cm x 40cm (5’ x 16”) WELDED: B0129
REGULAR GANGWAY TRANSIT PLATE 150cm x 40cm (5’ x 16”) BOLTED: B0129
MODULAR GANGWAY TRANSIT PLATE 90cm x 40cm (3’ x 16”): B0129
MODULAR GANGWAY TRANSIT PLATE 120cm x 40cm (4’ x 24”): B0129
REGULAR GANGWAY EXTENDED TRANSIT PLATE 90cm x 60cm (3’ x 24”) WELDED: B0129
REGULAR GANGWAY EXTENDED TRANSIT PLATE 120cm x 60cm (4’ x 24”) WELDED: B0129
REGULAR GANGWAY EXTENDED TRANSIT PLATE 150cm x 60cm (5’ x 24”) WELDED: B0129

DESCRIPTION

The TRANSIT PLATES are allowing a smoother transition from gangway to dock. Often required for ADA compliant installations, they are also equipped with our ECONO GANGWAY & TRANSIT PLATE SLIDER to ensure safe movements of the TRANSIT PLATE onto the dock.

ASSEMBLY PROCEDURE - THE MODULAR GANGWAY TRANSIT PLATE

See instruction video:

https://www.youtube.com/watch?v=MPlWii0-r7Y&list=PLmLmDtH9FZgCJBbUSVaBxIWi_7XCzh6H2&index=9&t=45s

DECKINGS

SPECIFICATIONS

Material/Composition: Fiberglass Reinforced Plastic
Needed tools: Proper power tools to drill the holes secure the panels on the gangway frame.
*Drill bits and screws included with the panels

SKU NUMBERS

BEIGE DECKING 90cm x 30.48cm (3' x 12"): B0219
BEIGE DECKING 120cm x 30.48cm (4' x 12"): B0220
BEIGE DECKING 150cm x 30.48cm (5' x 12"): B0223
GRAY DECKING 90cm x 30.48cm (3' x 12"): B0218
GRAY DECKING 120cm x 30.48cm (4' x 12"): B0221
GRAY DECKING 150cm x 30.48cm (5' x 12"): B0222

DESCRIPTION

Candock's DECKINGS consist of premium quality, non-slip, openwork design plastic panels. Made with top of the line FRP plastic, they are extremely durable and perfectly adapted for residential and commercial use. Some "industrial" flooring is also available upon request, simply ask you Candock representative for more information.

If panels are not pre-assembled by Candock, simply lay the panels onto the gangway, pre-drill holes at every possible location using each panel as templates. Secure the panels using the provided stainless-steel screws; ideally using an impact drill.

GANGWAY SPECIFICATION CHART

DIMENSIONS (ft)	MAX LOAD LBS.	MAX LOAD KGS
3X4 ECONO	n/a	n/a
3X8 ECONO	n/a	n/a
3X12 ECONO	828	376
3X4 MODULAR	715	325
3X8 MODULAR	715	325
3X12 MODULAR	500	227
3X12 REGULAR	3672	1669
3X16 REGULAR	2448	1113
3X20 REGULAR	1560	709
3X24 REGULAR	1008	458
3X28 REGULAR	588	267
3X32 REGULAR	384	175
4X4 ECONO	n/a	n/a
4X8 ECONO	n/a	n/a
4X12 ECONO	576	262
4X4 MODULAR	683	310
4X8 MODULAR	683	310
4X12 MODULAR	683	310
4X12 REGULAR	2976	1353
4X16 REGULAR	2112	960
4X20 REGULAR	1360	618
4X24 REGULAR	768	349
4X28 REGULAR	448	204
4X32 REGULAR	166	75
5X4 ECONO	n/a	n/a
5X8 ECONO	n/a	n/a
5X12 ECONO	420	191
5X12 REGULAR	1740	791
5X16 REGULAR	1600	727
5X20 REGULAR	1100	500
5X24 REGULAR	756	344
5X28 REGULAR	406	185
5X32 REGULAR	144	65

TOOLS

KEY FOR CONNECTING PINS

MANUAL

DRILL

SPECIFICATIONS

Material/Composition: Painted steel
Needed tools for the DRILL model: High torque / Low speed power drill or brushless cordless drill

SKU NUMBERS

MANUAL KEY FOR CONNECTING PIN: B0099
DRILL KEY FOR CONNECTING PIN: B0097

CAUTION

Always proceed with caution if using a power drill to fasten the CONNECTING PINS, the drill can have tendency to “kick”. Use Protective footwear. Ideally, use a “double-handle” power drill to prevent wrist/arm injuries. If using power drill to unscrew pins, always loosen-up the pins manually prior to using the drill.

KEY FOR NUTS

MANUAL

RATCHET SOCKET

SPECIFICATIONS

Material/Composition: Casted aluminum
Needed tools for the RATCHET SOCKET model: ½” Drive ratchet tool

SKU NUMBERS

MANUAL KEY FOR NUT: B0034
RATCHET SOCKET KEY FOR NUT: B0060

PILING DRIVER, PILING BULL AND PILING LEVER

2 7/8'' PILING BULL

2 7/8'' AND 1 11/16''PILING DRIVER

2 7/8'' PILING LEVER

SPECIFICATIONS

Material/Composition: Painted steel
Needed tools for the PILING DRIVERS: 8 or 12lbs sledgehammer and ratchet tool kit
Needed tools for the PILING LEVER: Farm Jack and ratchet tool kit

SKU NUMBERS

2 7/8'' PILING BULL: B0140
2 7/8'' PILING DRIVER: B0138
1 11/16'' PILING DRIVER: B0137
2 7/8'' PILING LEVER: B0143

INSTRUCTIONS

While referring to the "Anchoring products Owner's manual" under the chapter "Pilings and G2 post cube method", please observe the following guidelines. Always proceed with caution and safety and use proper footwear, gloves and workwear.

PILING BULL

1-Insert pile into the POST CUBE and let it rest on the bottom of the seabed.

2-Insert the ram/bull onto the pile and thrust the pile down into the ground by knocking the ram vigorously on the head of the pile.

3-Repeat until desired penetration of the pile.

PILING DRIVERS

1-Position the pile where needed.

2-Insert the driver onto the pile, firmly secure the driver onto the pile with the set screw and thrust the pile down into the ground by knocking the driver vigorously on the head with a sledgehammer.

3-Repeat until desired penetration of the pile.

PILING LEVER

1-Insert PILE LEVER on the 2 7/8" pile that needs to be removed and fasten manually the lever at approx. 5" form the dock surface.

2-Using a 3/4" socket, securely tight the lever in place.

3-Place the farm jack underneath the lever while making sure that the foot of the farm jack will find support on the

POST CUBE's flange.

4-Extract the piling by normally operating the farm jack.

5-Once the pile is loosened up, you can still use the pile lever as a handle to pull on the pile out.

TOOLS FOR CANDOCK MODULAR RAILINGS

DRILLING AND CUTTING JIG | **MANUAL KEY FOR SURFACE POST** | **RATCHET SOCKET FOR SURFACE POST**

USEFUL LINKS AND RESOURCES:

YouTube

SPECIFICATIONS

Material/Composition: Casted aluminum, HDPE and stainlee steel
Needed tools for the DRILLING AND CUTTING JIG: Power drill and mitter saw
Needed tools for the RATCHET SOCKET FOR SURFACE POST: Power drill and ½“ ratchet drive

SKU NUMBERS

DRILLING AND CUTTING JIG: B0231
MANUAL KEY FOR SURFACE POST: B0055
RATCHET SOCKET FOR SURFACE POST: B0291

ASSEMBLY AND OPERATIONS PROCEDURES

See instruction video:

https://www.youtube.com/watch?v=jWNzyqzyqzI&list=PLmLmDtH9FZgCJBbUSVaBxIWi_7XCzh6H2&index=12&t=201s