



# Snap Dock's Floating Dock System

**Owner's Manual & Assembly Guide**

**Published: July 25, 2022**

For questions about Snap Dock's operation/performance, products, accessories, and parts call your local dealer for information.

Visit our website at [www.snapdock.com](http://www.snapdock.com) to find more information about our products.

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# General Information


## Company Note:

Thank you for choosing the Snap Dock floating dock system. To learn more about our products including Docks, the Snap Port and accessories; visit [www.snapdock.com](http://www.snapdock.com) or call 1 (800) 483-5205 to speak with a customer service representative.

## Assembly Overview:

The following instruction will walk through the installation process of properly installing a floating dock system. Every installation is different; therefore Snap Dock recommends that each installation be surveyed and planned.

**Important:** Snap Dock's floating dock sections' size and weight (Page 2) will make moving one difficult by oneself. No less than two people should maneuver a dock section at a time. *[In addition, connecting more than two dock sections onshore is highly discouraged as injury to installers or damage to the dock may occur.]*



## WARNING

**WARNING:** swimming or attempting to breathe inside the pockets underneath the dock is hazardous and may result in drowning or death.

To ensure the safety of the installers, use the In-Water Installation Tool to assemble the Snap Dock product on the water.

## Tool Recommendation Checklist:

The tool list is comprised of required and suggested tools to assemble the floating dock sections. Before assembly, be sure you have the required tools. For more information on professional help, reach out to your local dealer.

### Required Tools:

- |  |                                     |   |
|--|-------------------------------------|---|
| <input type="checkbox"/> In-Water Installation Tool                  | <input type="checkbox"/> Drive Tool | <input type="checkbox"/> Dead Blow/ Mallet Hammer |
| <input type="checkbox"/> <sup>15</sup> / <sub>16</sub> Socket Wrench |                                     |   |

### Suggested Tools:

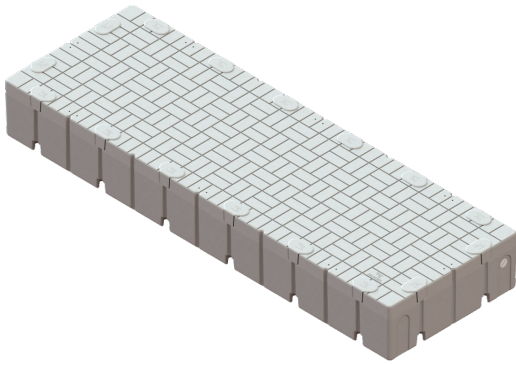
- |  |   |   |
|--|---|---|
| <input type="checkbox"/> 8" Nylon Cleat (SKU: CLEAT-8) | <input type="checkbox"/> Impact Driver        | <input type="checkbox"/> Dock Cart                |
| <input type="checkbox"/> Plywood                       | <input type="checkbox"/> Ax (acts as a wedge) | <input type="checkbox"/> Power Drill & Drill Bits |
| <input type="checkbox"/> Pipe Wrench                   |   |   |

## Product Registration Link:

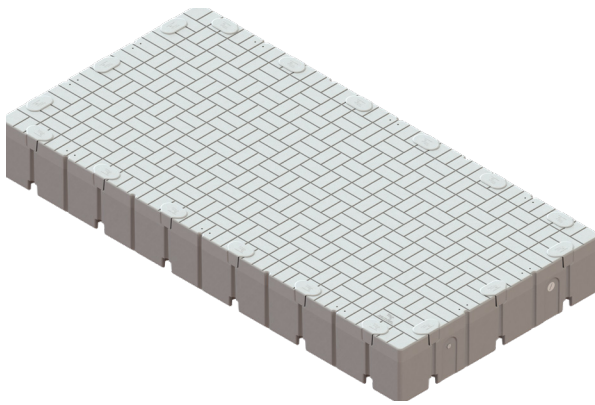
Visit [snapdock.com/product-registration/](http://snapdock.com/product-registration/) to register a new floating dock system within 90 days of purchase.

To learn more about Snap Dock's limited liability warranty visit: [snapdock.com/warranty/](http://snapdock.com/warranty/)

# Dock Component Specifications:



|          |                     |
|----------|---------------------|
| SKU      | SNAP120x40-GR       |
| Length   | 117"                |
| Width    | 39"                 |
| Height   | 14.4"               |
| Weight   | 178 lbs/ 81 kgs.    |
| Buoyancy | 2150 lbs./ 975 kgs. |



|          |                    |
|----------|--------------------|
| SKU      | SNAP120x60-GR 2020 |
| Length   | 117"               |
| Width    | 59"                |
| Height   | 14.4"              |
| Weight   | 270 lbs/ 126 kgs.  |
| Buoyancy | 3150lbs./1440 kgs. |



|          |           |
|----------|-----------|
| SKU      | CORNER-GR |
| Length   | 39"       |
| Width    | 39"       |
| Height   | 6"        |
| Weight   | 28 lbs.   |
| Buoyancy | N/A       |

# Coupler Assembly

Installers will assemble each coupler set from center of the dock section working outward.

Step #1 | Take one coupler (B) and long bolt (C) from the coupler set and secure the pieces together using a mallet.

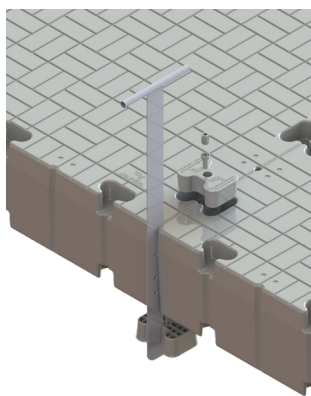
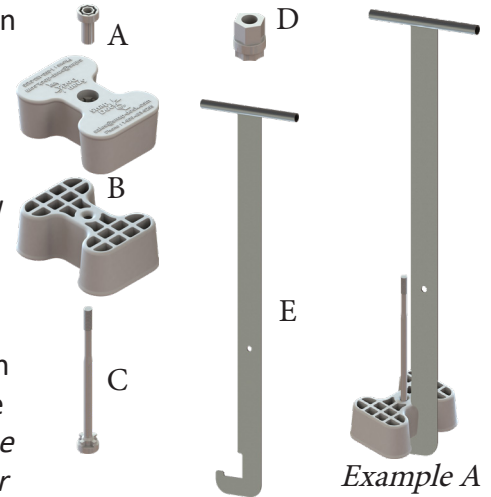
Step #2 | Take the half assembled coupler (BC) and insert it into the In Water Installation Tool (E) (see **example A**). [Partially Assembled Coupler is held in the In Water Installation Tool by friction].

| Quantity | Product Name               | SKU          |
|----------|----------------------------|--------------|
| 1        | Coupler Set                | CPLR-SET-GR  |
| 1        | In Water Installation Tool | SNAP INSTALL |

**Quick Tip:** Utilize an axe/ wedge behind the pocket to create separation between the two docks for the In Water Installation Tool (Here after referred to *Installation Tool*) to move easier along the joint.

Step #3 | Run the tool with the assembled coupler along the seam to the middle bottom pocket (**Note:** *Bear in mind the partially assembled coupler may fall out of the Installation Tool if long bolt hits the dock while attempting to get to or seat into the pocket*).

Step #4 | To seat the half assembled coupler, pull up on the Installation Tool until the bolt appears in the top pocket. Use a screwdriver to slide through the visible hole to hold the Installation Tool in place (**Note:** *The docks must be level while the assembly is taking place on the water for the couplers to seat correctly into the pockets. The lead installer stands between the two docks. Use other installers as a counterweight by standing on the opposite side to level the two dock sections.*



Example B

**Note:** *Single-person installation is not recommended; however, for ease of installation, lay a piece of plywood that spans the two dock sections. The plywood will help stabilize the dock sections and keep them in the same plane.*

Step #5 | Insert the second coupler into the top pocket and secure it with the nut (NUT-GR) and drive tool (DRIVETOOL).

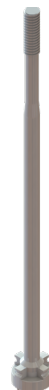
# Floating Dock Assembly

1

Check for all floating dock parts prior to assembly.



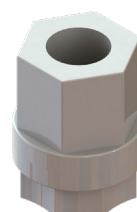
(2) COUPLERS



(1) LONG BOLT

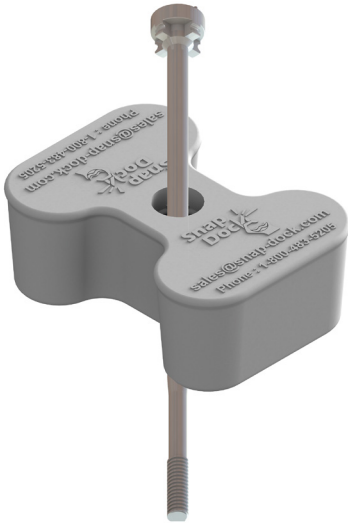


(1) NUT



(1) DRIVETOOL

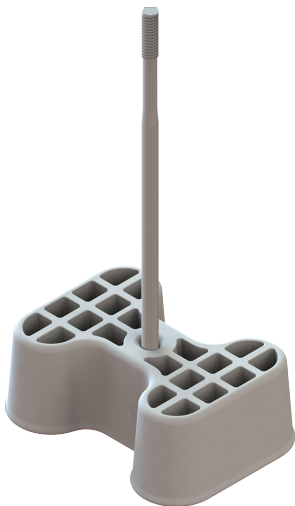
2 Insert long bolt into coupler.



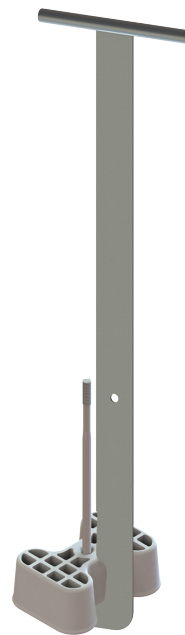
3 Use mallet to secure the long bolt to the coupler.



4 Partially Assembled Coupler.

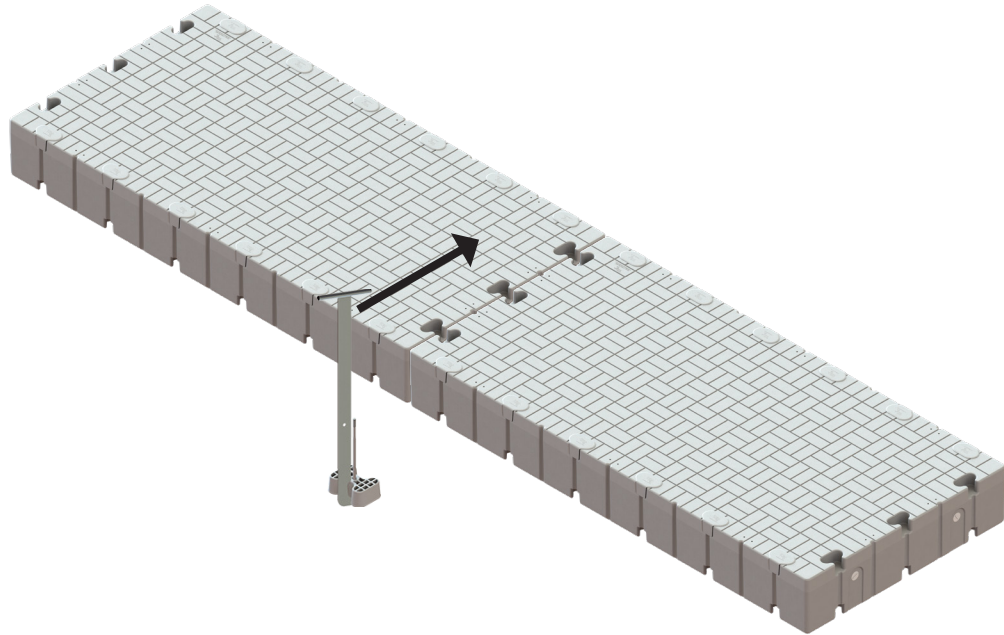


5 Place the Partially Assembled Coupler perpendicular onto the In Water Installation Tool (Here after referred to *Installation Tool*).



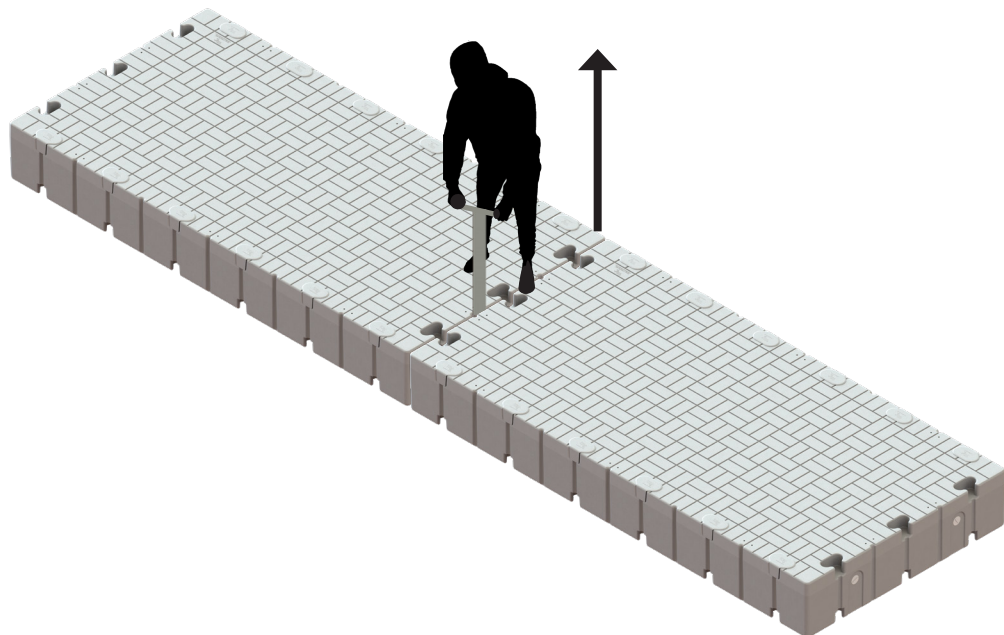
6

Run the tool with the partially assembled coupler along the seam to the middle bottom pocket (Start connecting couplers from the middle and work outward).



7

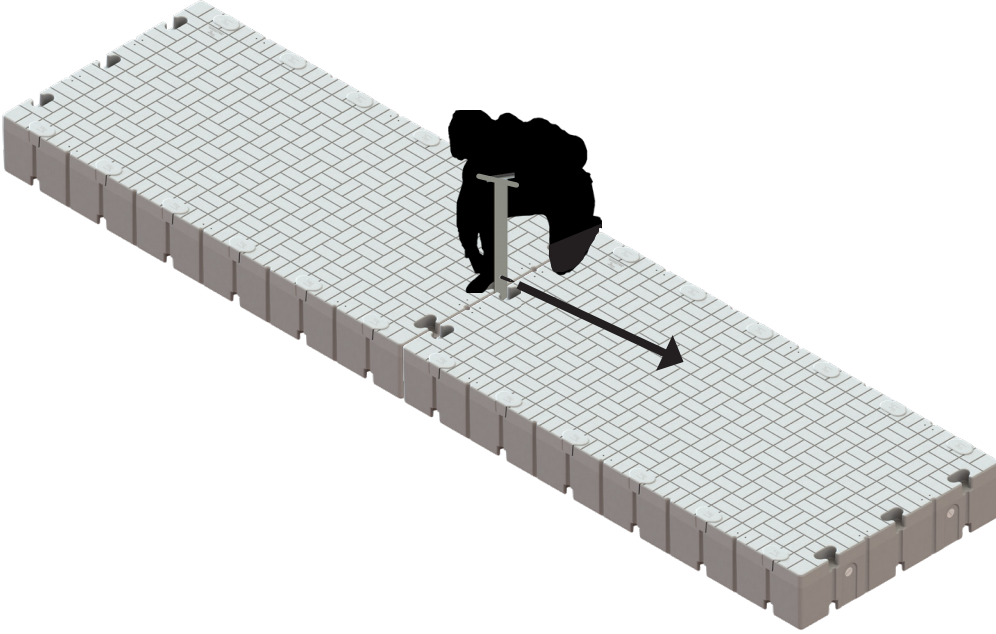
To seat the partially assembled coupler, pull up on the Installation Tool until the bolt appears in the top pocket.





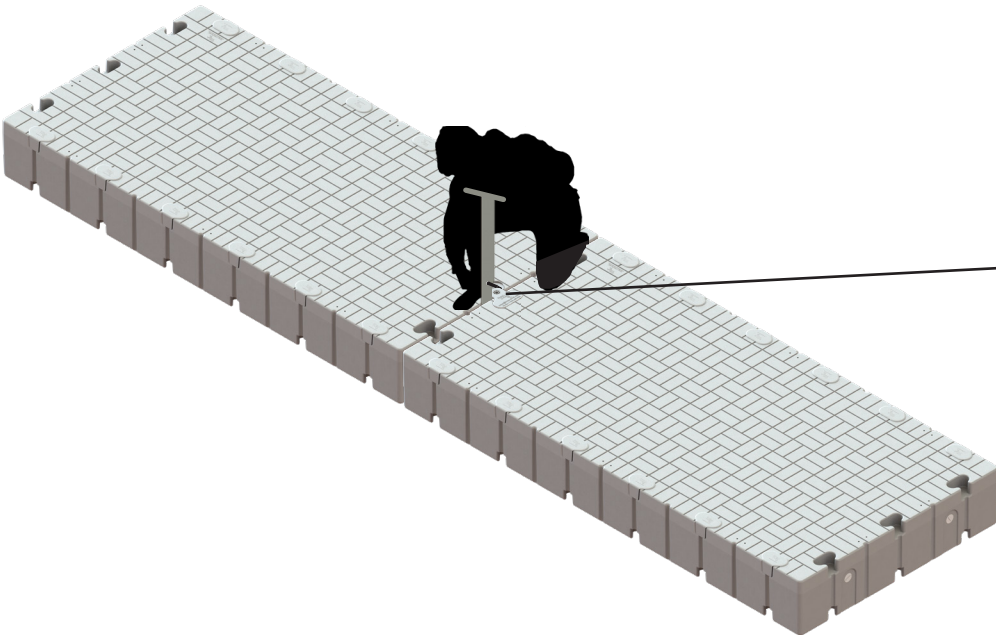
8

Slide a screwdriver through the hole in the Installation Tool to hold the partially assembled coupler in place.



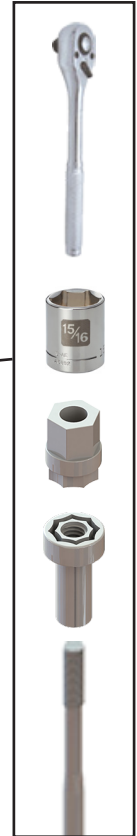
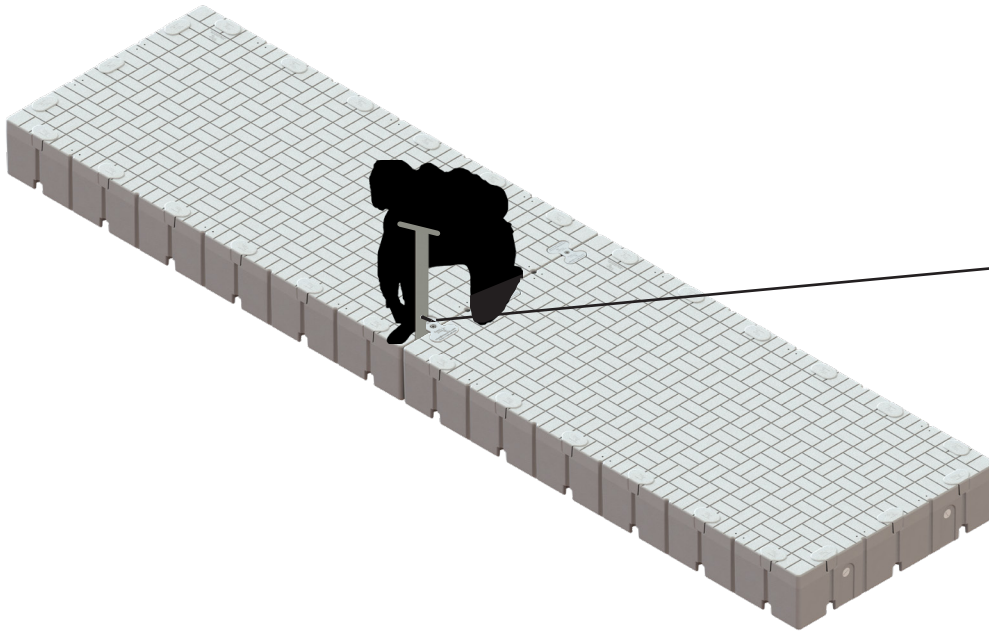
9

Use the Nut and Drive Tool included in the coupler set to secure the second coupler into the top pocket to finish the coupler installation. Note: **Need  $\frac{15}{16}$  socket & socket wrench**



10

Repeat steps 1 through 9 on the other pockets along the seam.



# Anchoring Overview

## Overview:

To determine the anchor system needed for their design, installers must know the type of waterscape, how protected the area is, and the water depth before selecting an anchoring system. Consult with a local dealer to determine options for anchoring if needed.

The following anchoring methods with descriptions are listed below:

**Pipe Anchoring:** Commonly used in residential or small-scale commercial waterfronts up to eighteen feet. Allows horizontal movement is an added benefit for waters that fluctuate during seasons.

**Deadweight Anchoring:** Deadweight anchoring is typically used in deeper water when pipe anchoring isn't viable, or if ice conditions may be present.

**Stiff Arm Anchoring:** Typically used when pipes cannot be used or are prohibited due to environmental protections.



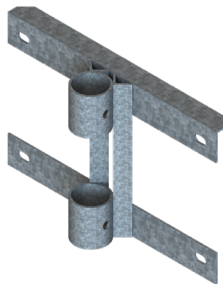
Standard Duty  
Pipe Bracket



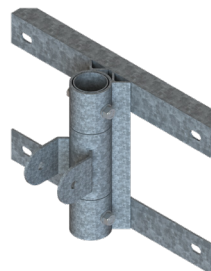
Heavy Duty  
Pipe Bracket



Standard Duty Galvanized  
Deadweight Bracket



Heavy Duty Galvanized  
Deadweight Pipe Bracket



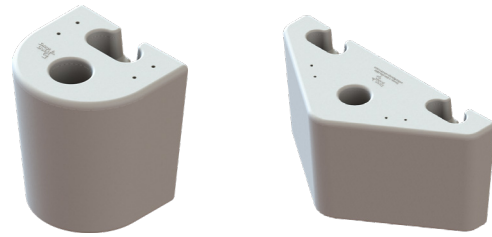
Stiff Arm Assembly

# Pipe Anchoring

## Overview:

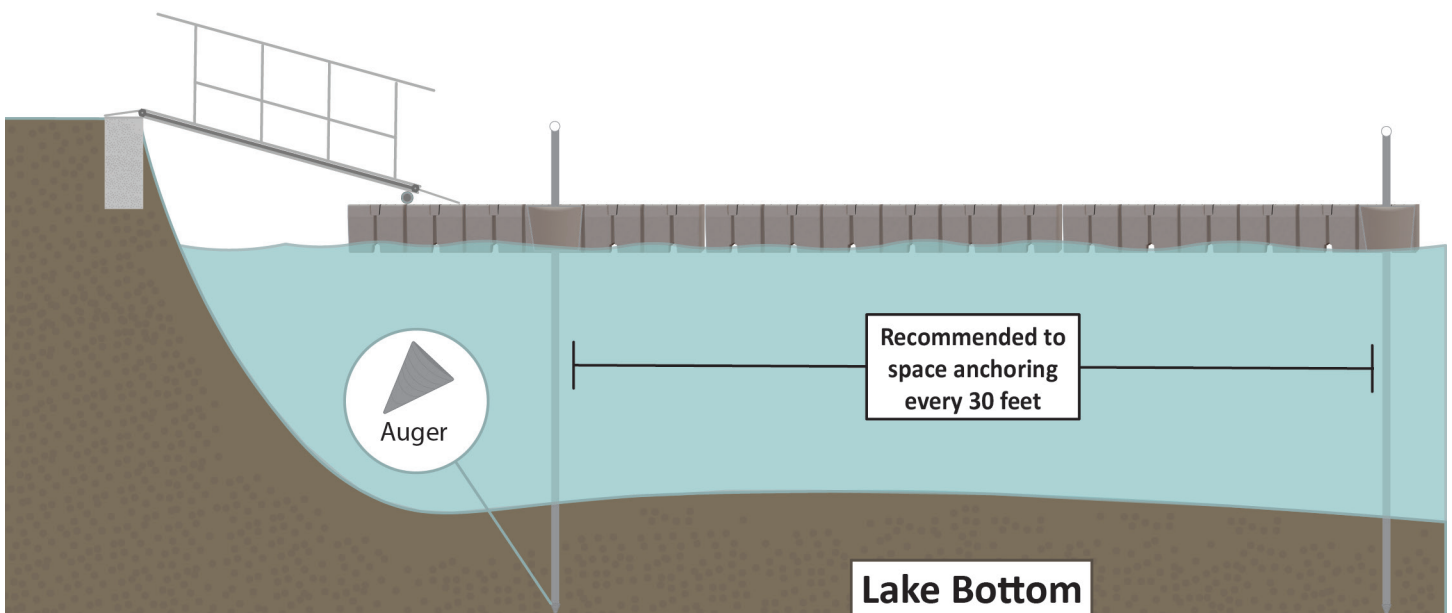
Pipe anchoring is one of the most common methods traditionally used in residential or small-scale commercial installations. Snap Dock offers two different pipe anchoring brackets: The Standard Duty Pipe Bracket (SKU: STD BRKT-GR-ASSY) installed with one coupler set, and the second bracket is the Heavy Duty Pipe Bracket (SKU: HD BRKT-GR-ASSY) is installed with two coupler sets.

We recommend utilizing the standard or heavy pipe bracket with water depths up to 18'. Please refer to deadweight anchoring or piling anchoring methods.

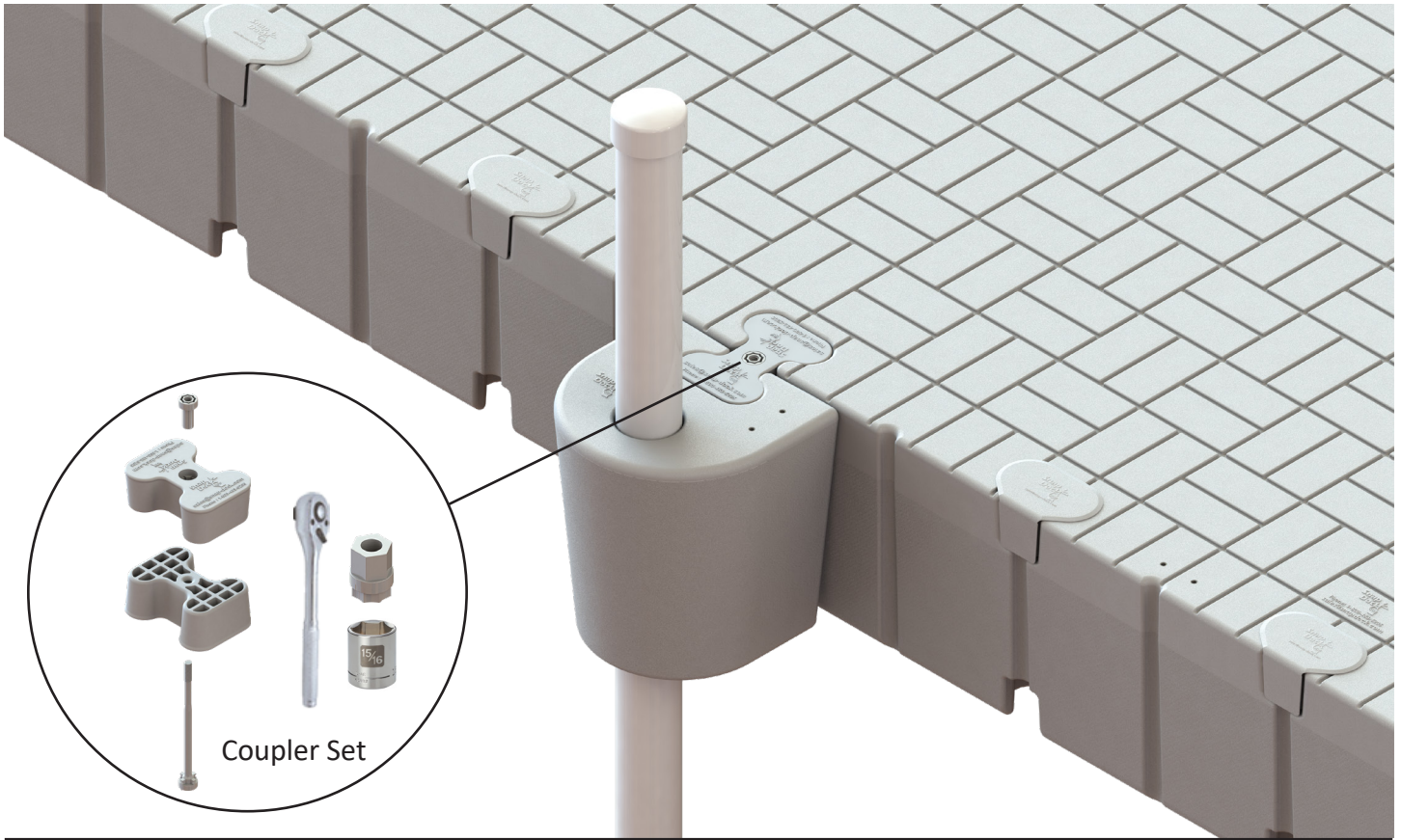


| Product Name               | SKU              |
|----------------------------|------------------|
| Standard Duty Pipe Bracket | STD BRKT-GR-ASSY |
| Heavy Duty Pipe Bracket    | HD BRKT-GR-ASSY  |

## Pipe Anchoring

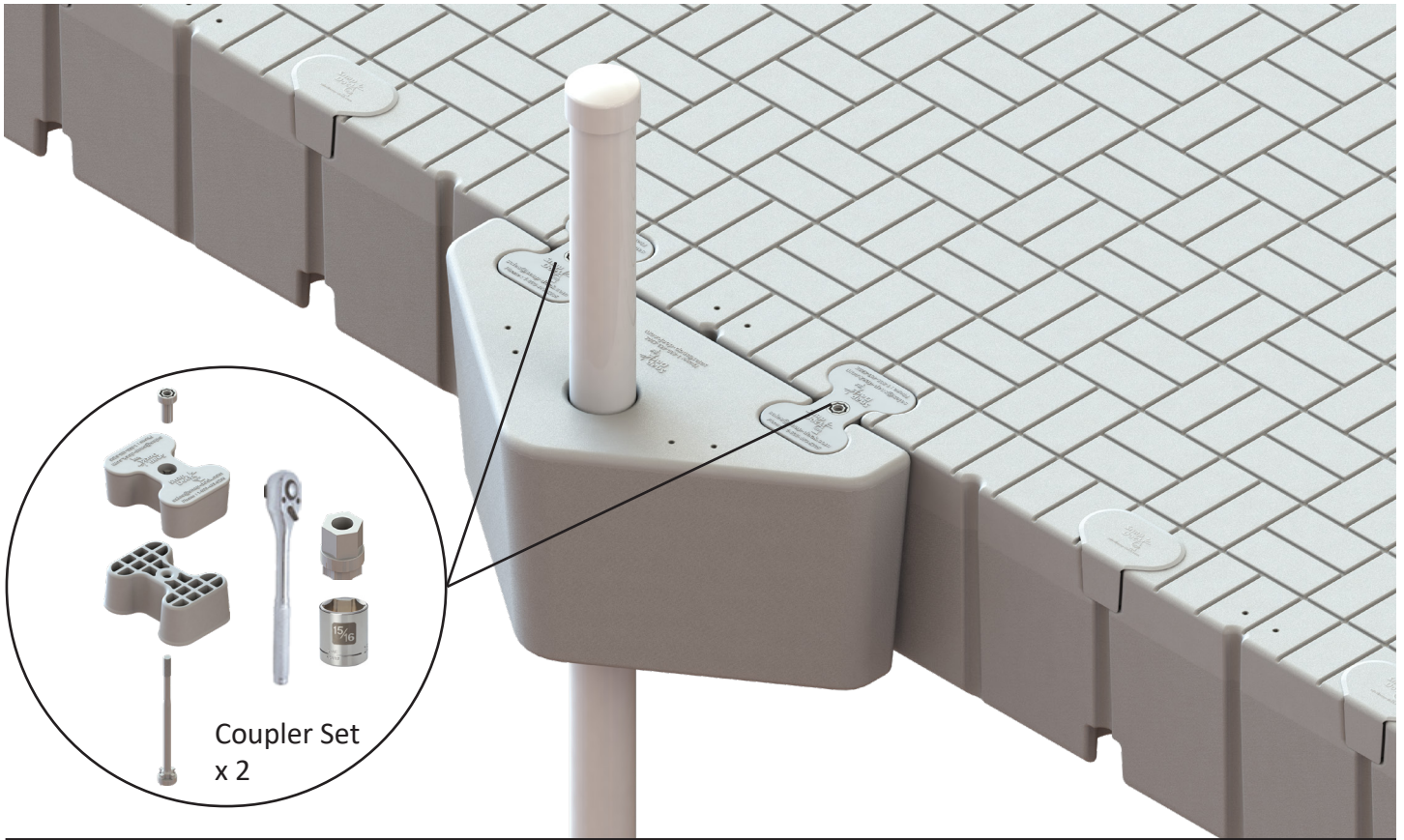


# Standard Duty Pipe Bracket Installation



- 1 **Assembly of a Partially Assembled Coupler:** Take one coupler and long bolt from the coupler set and secure the pieces together using a mallet.
- 1a Place the Standard Duty Pipe Bracket flush with the desired top/ bottom pockets. Use a Partially Assembled Coupler and place in the bottom pockets of the dock and Standard Duty Pipe Bracket.
- 2 While holding the Partially Assembled Coupler, insert a coupler in the top pockets and hand tighten a nut onto the long bolt.
- 3 Use The Drive Tool and a  $\frac{15}{16}$  socket wrench to finish tightening the nut. **Note: The nut should not be overtightened.**

# Heavy Duty Pipe Bracket Installation



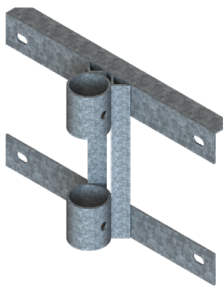
- 1 **Assembly of a Partially Assembled Coupler:** Take one coupler and long bolt from the coupler set and secure the pieces together using a mallet.
- 1a Place the Heavy Duty Pipe Bracket flush with the desired top/ bottom pockets. Use two Partially Assembled Couplers and place in one at a time into the bottom pockets of the dock and Heavy Duty Pipe Bracket.
- 2 While holding a Partially Assembled Coupler, insert a coupler in the top pocket and hand tighten a nut onto the long bolt.
- 3 Use The Drive Tool and a  $1\frac{5}{16}$  socket wrench to finish tightening the nut. **Note: The nut should not be overtightened.**
- 4 Repeat steps 1-3 for the second coupler installation.

# Deadweight Anchoring

## Overview:

Deadweight anchoring is a deep water solution that utilizes three components:

- Deadweights; usually in the form of concrete blocks that are sunk to the bottom of the lake bed.
- Standard or Heavy-Duty Deadweight brackets connect the deadweight blocks to modular docks.
- Cables or chains connect the bracket system to the concrete blocks.



Heavy Duty Galvanized  
Deadweight Pipe Bracket



Standard Duty Galvanized  
Deadweight Bracket

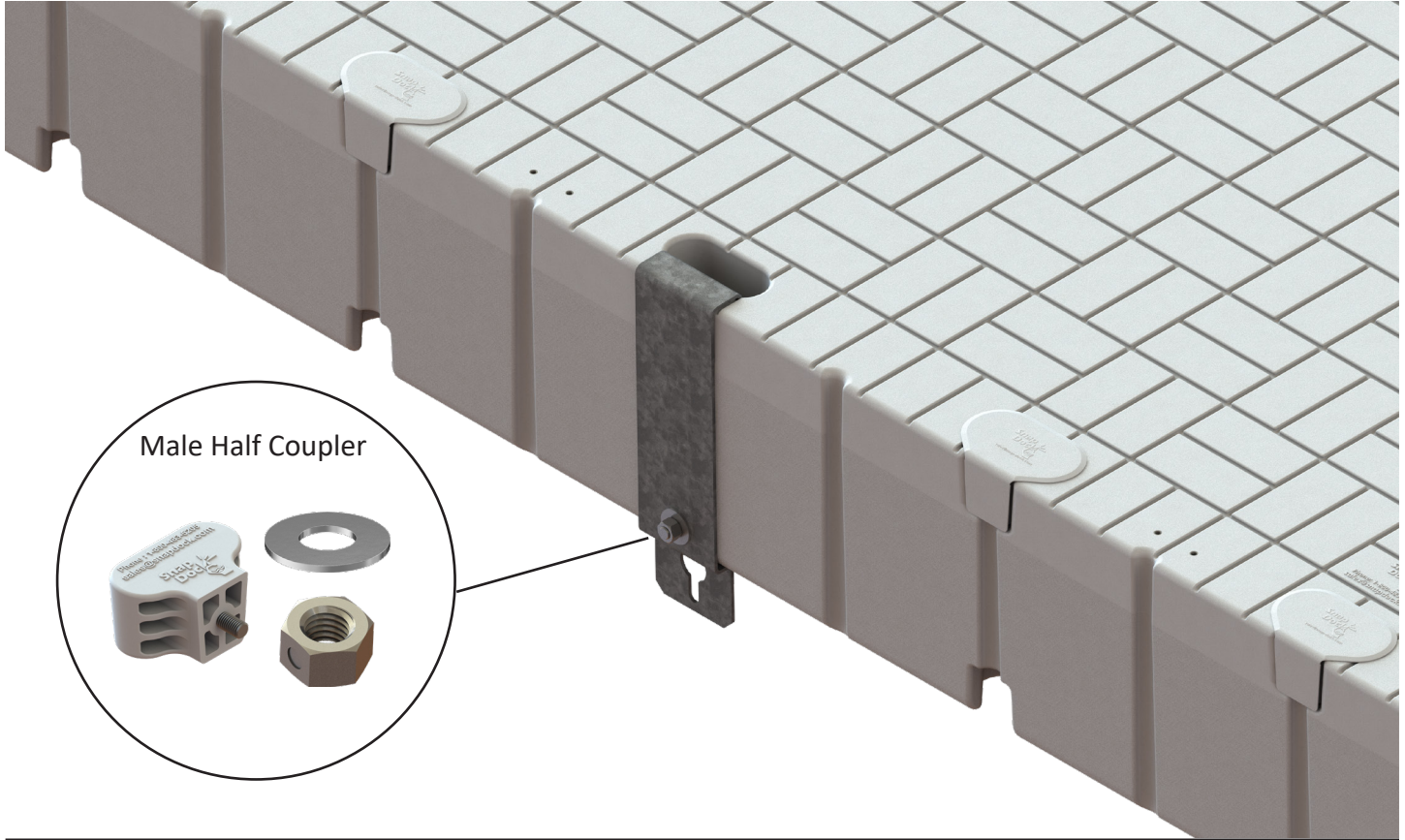
| Product Name                                  | SKU                |
|---|--------------------|
| Standard Duty Galvanized Deadweight Bracket   | ANCR               |
| Heavy Duty Galvanized Deadweight Pipe Bracket | ANCR-PIPE          |
| Male Half Coupler                             | HALFCPLR-GR-ASSY   |
| Female Half Coupler                           | HALFCPLR-F-GR-ASSY |

## Standard Duty Galvanized Deadweight Bracket Installation:

The following deadweight bracket instruction will outline the water conditions, deadweight anchoring rules of thumb, and step-by-step installation. The anchoring system is used in calm or rough water conditions. In calm water, the Standard Duty Galvanized Deadweight Bracket will be sufficient. However, the Heavy Duty Galvanized Deadweight Pipe Bracket is ideal in areas where the current is more active, or a larger system is being secured.

Typically, placement of a deadweight should be thirty degrees out from the front of the dock. As a general rule of thumbs, anchoring should be installed every 30ft or so. Chains should be crossed and connected to the parallel deadweight bracket creating the required tension to secure the dock. **DISCLAIMER: Each individual installation is unique and customers need to seek consultation from an authorized Snap Dock Dealer. Snap Dock is not liable for installation defects or installation error.**

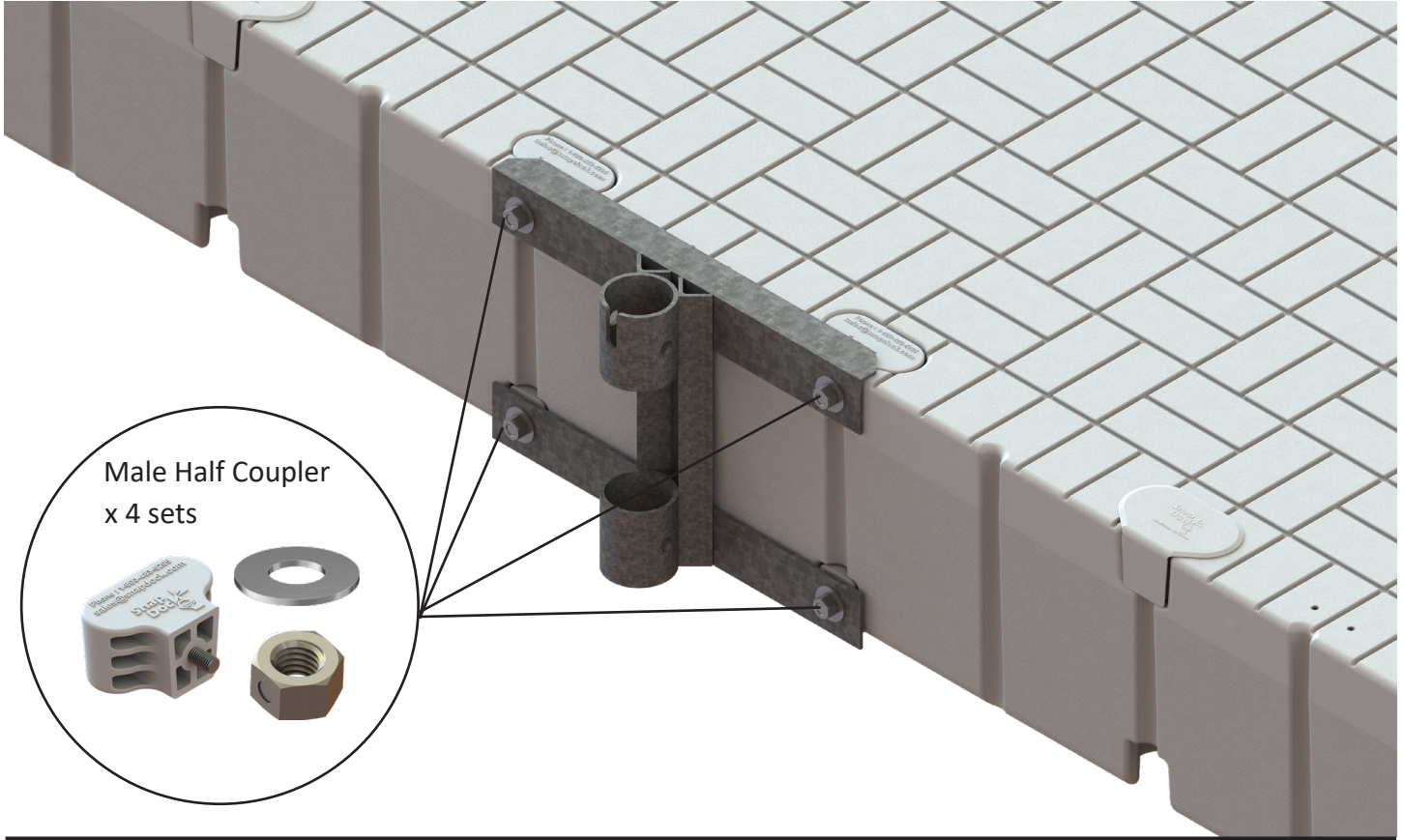
# Standard Duty Galvanized Deadweight Bracket Installation



- 1 Take the hook portion of the Standard Duty Galvanized Deadweight Bracket, and insert into the desired top pocket.
- 2 Use the Male Half Coupler and insert into the bottom pocket.
- 3 While holding the Half Coupler, secure the Standard Duty Galvanized Deadweight Bracket to the Male Half Coupler by placing on the washer onto the bolt, then hand tightening the Nut onto the bolt until it is secure.
- 4 Finish by using a  $1\frac{5}{16}$  socket wrench to firmly tighten the nut on to the bolt.



# Heavy Duty Galvanized Deadweight Pipe Bracket Installation



- 1 Insert Male Half Coupler #1 and #2 into the desired top pockets.
- 2 Position the Heavy Duty Galvanized Deadweight Pipe Bracket on to the Male Half Couplers #1 and #2.
- 3 Place a washer on each bolt of the male Half Couplers, then loosely tighten the nuts onto the bolts. **Note: Do not fully tighten the nut as space is needed to secure the bottom Half Couplers.**
- 4 Secure the Male Half Coupler #3 and #4 one at a time into the bottom pockets, repeat step 3 to fully secure the half couplers into place.
- 5 Finish tightening Couplers #3 and #4 completely, then fully tighten couplers #1 and #2.

# Stiff Arm Anchoring

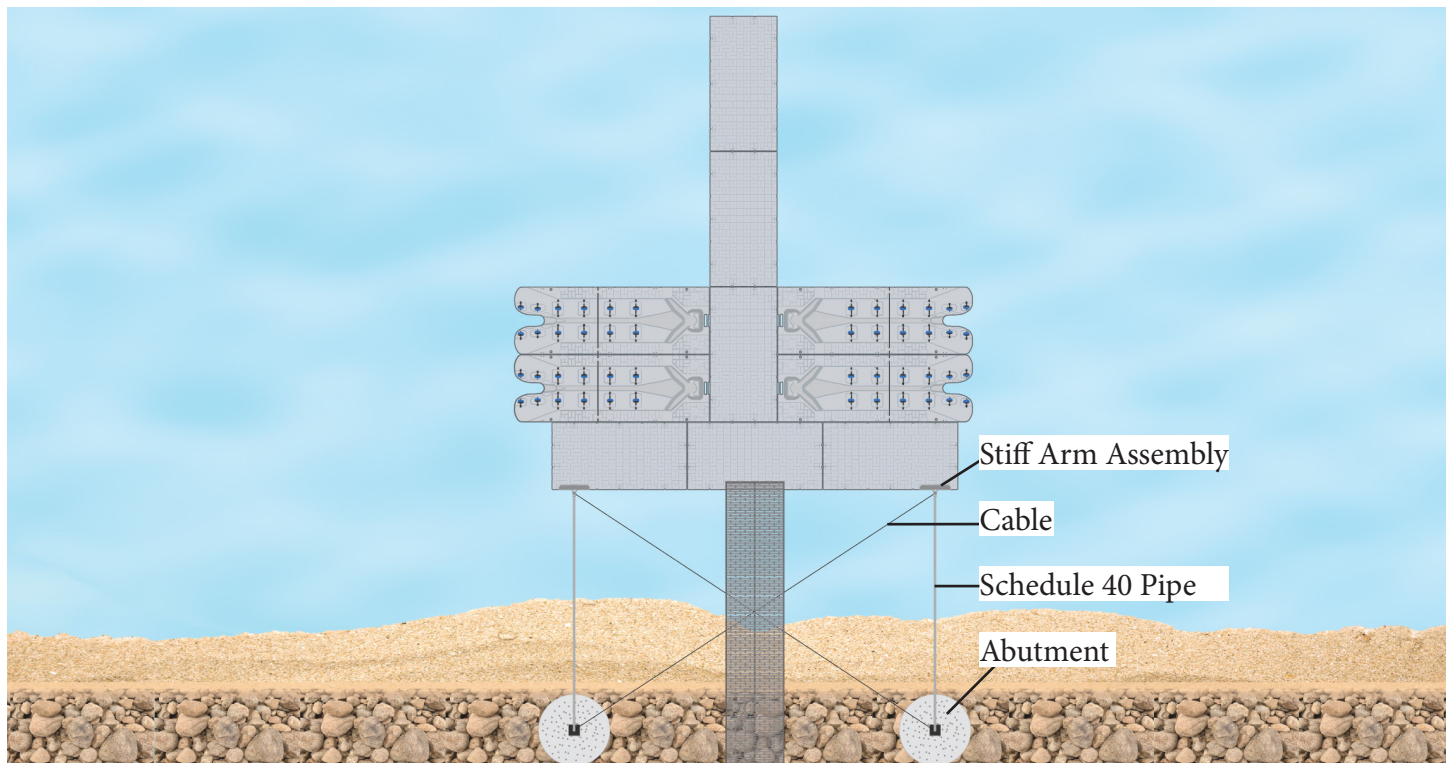
Stiff Arm anchoring is typically used in applications where minimum wave action or environmental restrictions prevent augering into a seafloor, lake, or rock bed.

The Stiff Arm system utilizes the following components to ensure the safety and security of the floating dock system:

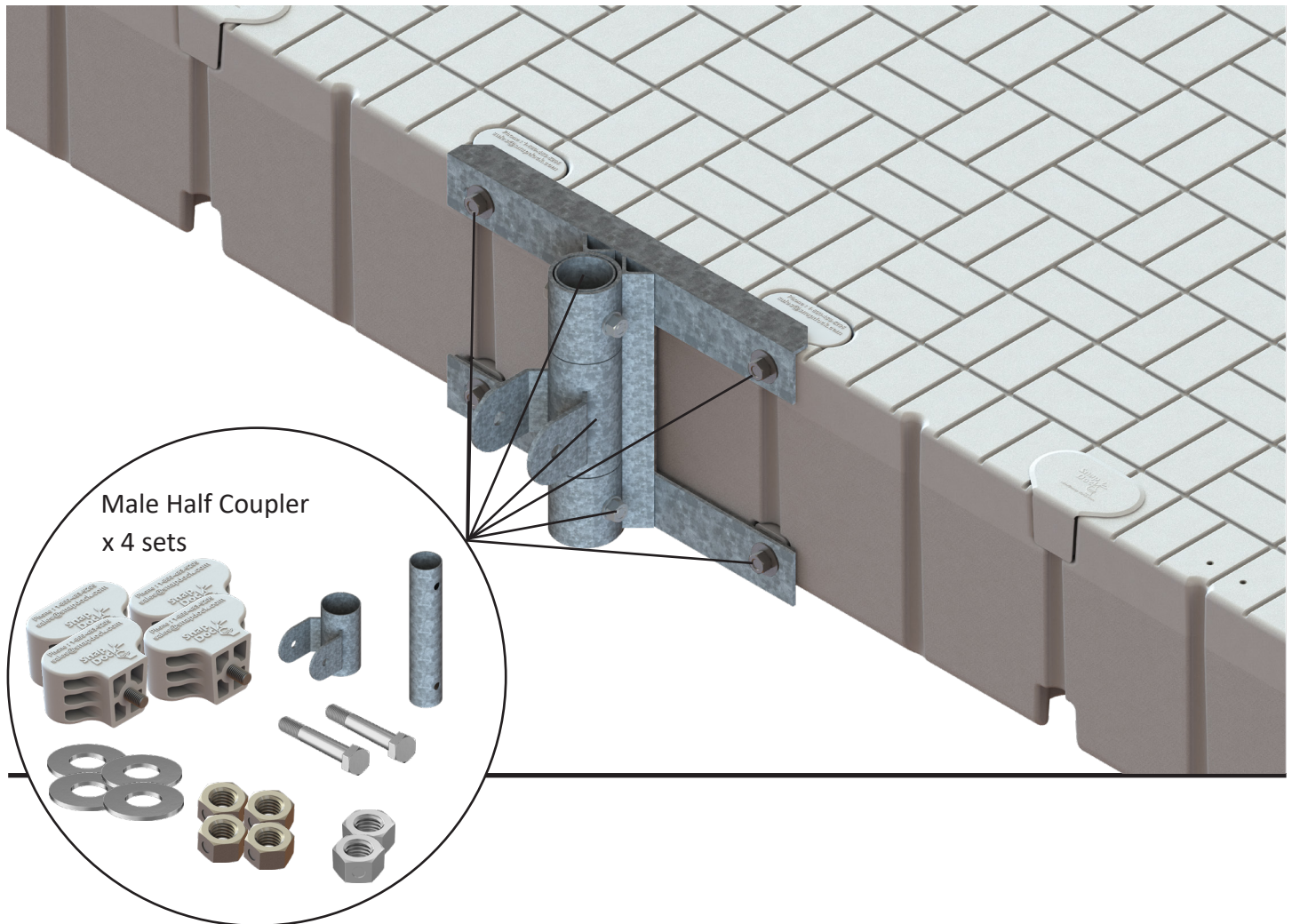
- Onshore anchor points act as elevation points to transfer the load from the floating dock to the shoreline.
- Stiff Arm connection - Typically schedule 40 galvanized pipe or reinforced trusses depending on the water conditions and distance of the floating dock from shore.
- A cable is run diagonally between the stiff arm connections reducing the lateral movement of the floating dock system.
- Snap Dock's Stiff Arm Assembly connects the stiff arm connection to Snap Dock's Modular Floating Dock System. The assembly has an eye bolt so a stiff-arm connection can be bolted securely through.

| Product Name        | SKU           |
|---------------------|---------------|
| Stiff Arm Assembly  | STIF-ASSY     |
| Stiff Arm Adapter   | STIF-ADPT     |
| Male Half Coupler   | HALFCPLR-GR   |
| Female Half Coupler | HALFCPLR-F-GR |

Below is an *illustration* of a *Stiff Arm Anchoring* Installation:



# Stiff Arm Assembly Installation



- 1 Insert Stiff Arm Adapter in the Heavy Duty Galvanized Deadweight Pipe Bracket's pipe opening.
- 2 Keeping the Stiff Arm Adapter aligned with pipe bracket opening, place the Stiff Arm Adapter's pipe insert through the pipe bracket and the Stiff Arm Adapter.
- 3 Secure the assembled Stiff Arm Adapter with the two  $\frac{5}{8}$  inch bolts and nuts (not included).

- 4 Insert Male Half Coupler #1 and #2 into the desired top pockets.
  
- 5 Position the Heavy Duty Galvanized Deadweight Pipe Bracket on to the Male Half Couplers #1 and #2.
  
- 6 Place a Washer on each bolt of the male Half Couplers, then loosely tighten the nuts onto the bolts. **Note: Do not fully tighten the nut as space is needed to secure the bottom Half Couplers.**
  
- 7 While holding the Male Half Coupler #3 and #4 into the bottom pockets, repeat step 3 to fully secure the half couplers into place.
  
- 8 Finish tightening Couplers #3 and #4 completely, then fully tighten couplers #1 and #2.

# Floating Dock Maintenance Information

## Dock Cleaning Overview

Polyethylene docks are low maintenance dock systems that require an annual or bi-annual cleaning per industry standard. The following segment will go over the routine maintenance of owning a Snap Dock docking system to help maintain a beautiful dock system for years to come.

## Routine Inspections

To extend the life of a Snap Dock docking system, it is essential to visually inspect the dock bi-annually to ensure that all components like dock surface, couplers, bracket system, etc., are intact and free of debris.

## Find The Right Cleaning Products

When cleaning your Snap Dock product, use non-corrosive and biodegradable cleaning products. Standard household products like baking soda or white vinegar mixed with water are environmentally safe. Avoid any cleaning products that have the following chemicals:

|   |
|---|
| Ammonia   |
| Anti-bacterial & Disinfectants                        |
| Butyl Glycol, Ethylene Glycol, or DEG Monobutyl Ether |
| Chlorine Bleach                                       |
| Phthalates  |
| Phosphates  |
| Petroleum Solvents                                    |

To find more information on safe cleaning products visit [EPA Safe Choice](https://www.epa.gov/saferchoice/)<sup>1</sup>.

## Cleaning Methods

Remember to remove any furniture, or large items on the dock prior to cleaning the dock to avoid items being pushed or blown into the water.

Snap Dock float products are made from LLDPE (Linear Low Density Polyethylene). To clean the product simply use warm water in combination with your choice of environmentally safe cleaning chemical and apply to the surface of the docks surface with a soft bristle brush.

Once the cleaning solution is applied to the surface of the dock, use a pressure washer that is 1500 psi or less to avoid discoloration or damage to the dock's surface (It is recommended to use a 40-degree fan tip "white head" on the pressure washer).

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1 United States Environmental Protection Agency, website ([epa.gov/saferchoice/products](https://www.epa.gov/saferchoice/products)), August 18, 2021

# Floating Dock Winter Maintenance Information

Below, we will underline, considerations on how Snap Dock's products to prevent ice damage during the winter months.

We recommend the removal and storage of Snap Dock products prior to ice forming unless the following requirements are met:

1. The dock is located in a protected area with little ice movement.
2. Only deadweight anchors are being used, and anchor chains have been loosened to allow movement.
3. The dock is secured to the shoreline via a line or rope.
4. Dock is marked for visibility under snow load.

Please note that the Snap Dock floating dock product sits approximately two inches below the water surface. If the body of water freezes, the dock is designed to pop out of the ice.

If any of the previous conditions are not met, Snap Dock recommends removing and storing the dock. Also, local dock removal or marking requirements vary by state, so check local guidelines to ensure removal processes are met.

## Removal Maintenance

After the removal process, repeat the preferred cleaning method to the side and bottom portions of the modular dock system to ensure the product's life expectancy. Refer back to the cleaning methods section for best cleaning practices.