ALUMINUM DOCKS

Floating dock systems must withstand the elements year after year, so we designed our system to be sturdy and durable. To ensure durability, cross bracing comes standard on each aluminum frame, and each dock is constructed using only the finest marine grade aluminum and under the highest marine industry quality standards. Also, our system is virtually maintenance free, affording you more time to enjoy your new dock.

Furthermore, we can customize your dock. You can choose from a wide range of decking including treated pine, aluminum, ipe, and composite, and optional accessories include the installation of rubrails, cleats, pile guides, ladders, railings, and power pedestals. Additionally, when you place an order with us, you can expect it to be completed in a timely fashion and to your specifications.

If you are still trying to decide between an aluminum frame and a wooden one, take the following details into consideration. First, an aluminum frame dock does not distort like a wooden frame dock will. Second, the aluminum frame weighs less, so our docks are easier on your anchoring system and easier to install or remove. Given these points, we hope you will consider Carolina Waterworks for your next project.
Carolina Waterworks offers the finest aluminum floating docks, gangways, and walkways available. They are fabricated from marine grade aluminum combining both superb engineering and materials for extended durability.
Commercial Aluminum Gangway

NOTES:
1. Commercial Gangways are galvanized I-beam.
2. Slip resistant plates.
3. Access ramp optional.

Residential Aluminum Gangway

NOTES:
1. Commercial Gangways are galvanized I-beam.
2. Slip resistant plates.
3. Access ramp optional.

Floating Dock

NOTES:
1. Floatation is dependant on the load.
2. Optional int. & ext. piling guides.

Residential Specifications (shown above).
Commercial Designs are available.
Our gangways not only feature rugged construction, but a finely sculpted design. Using first quality decking, our gangways are not only more secure in their footing, but they are quieter. This ideal blending of materials creates an aesthetically pleasing effect guaranteed to delight you for years to come.

These gangways come complete and ready to install with rollers and a polymer coated hinge pin that reduces wear. They are available in custom dimensions to meet a variety of needs. Access plates are also available.
The valuable time you spend on the water should be as easy and as effortless as possible. At Carolina Waterworks we recognize that this time is important to you. Let’s face it, there are only two days in the weekend and holiday time is limited, so we have developed docking systems to minimize the time you spend moving in and out of the water.

Our Safe Haven Systems provide easy and effortless access to the water. They are manufactured using only state of the art materials to ensure the highest levels of quality and durability. The outer shell is molded linear low density polyethylene. –Translation- This material is extremely impact and weather resistant. Also, we use light colors for our outer shell, making our Safe Haven Systems kind to bare feet. In addition, our docking systems offer unsurpassed stability when launching, docking, or walking around on the spacious non-skid deck.

The added stability is due to the core being filled with foam flotation, so our docking systems will remain more level than other cube style lifts when in use. And with every use, you will grow to appreciate the easy and effortless access to the water that the Safe Haven Systems provide. Additionally, installation is a snap, and your lift can be front or side mounted to your dock using our secure attachment system. It’s that easy- your system is complete and ready to use.

To launch your watercraft, simply slide off and drive away. And when you are ready to return to your favorite port of call, simply target the bow guide, drive on, and walk away. While docked, you can refuel, wash your watercraft, perform maintenance, or just enjoy the view.

Also, you will no longer waste time and money removing marine growth from your watercraft, because it is securely docked out of the water. In addition, you can look forward to years of trouble free operation from the Safe Haven Systems.

If you purchase a larger or heavier boat, we offer extensions and additional bunk heights to meet your changing needs. The extensions will accommodate most boats, the Harbor, Retreat 2 & Refuge lines feature an air assist system to aid in launching or docking most of the heavier boats.

Given the adaptability, ease of use, and low maintenance of Safe Haven Systems, let us help you minimize your effort and expense and maximize your time spent on the water with family and friends.
Now comes standard with an Air Assist feature to make launching even easier!

**Retreat™ Features:**
- Non skid deck
- Zero maintenance
- Easy installation
- A perfect fit for most types of Watercraft
- State-of-the-art, linear low density polyethylene, non-corrosive materials
- 8-year limited warranty
- Floats with tide or water level changes
- Unsinkable, foam filled
- Decorative safety plug to fill two attachment points included
- Side & Front Mount
- Tail extensions have multiple replaceable bunk sizes available
- Optional Air Assist

**Attachment Materials:**
- Kits available for floating and fixed docks

**Retreat™ Dimensions:**
- 12’ x 7’ platform
- Maximum working load 2000 lbs.

**Retreat™ 2 Dimensions:**
- 20’ x 7.5’ platform
- Maximum working load 3500 lbs.

**Retreat™ Dimensions:**
- 12’ x 7’ platform
- Maximum working load 2000 lbs.

**Retreat™ Dimensions:**
- 20’ x 7.5’ platform
- Maximum working load 3500 lbs.

**Dimensions of Harbor™:**
- 18’ x 11’ platform
- Maximum working load 4500 lbs.

**Dimensions of Harbor™ 2:***
- 24’ x 11’ platform
- Maximum working load 6000 lbs.

**Dimensions of Harbor™ 3:**
- 30’ x 11’ platform
- Maximum working load 7500 lbs.

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**Now comes standard with an Air Assist feature to make launching even easier!**

**New!**

**REDESIGNED HARBOR PRODUCT LINE**

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**Harbor™ Features:**
- Non skid deck
- Zero maintenance
- Easy installation
- Unsinkable, foam filled
- A perfect fit for most types of Watercraft
- State-of-the-art, linear low density polyethylene, non-corrosive materials
- 8-year limited warranty
- Floats with tide or water level changes
- Decorative safety plug to fill two attachment points included
- Side & Front Mount
- Air Assist System

**Attachment Materials:**
- Kits available for floating and fixed docks

**Dimensions of Harbor™:**
- 18’ x 11’ platform
- Maximum working load 4500 lbs.

**Dimensions of Harbor™ 2:**
- 24’ x 11’ platform
- Maximum working load 6000 lbs.

**Dimensions of Harbor™ 3:**
- 30’ x 11’ platform
- Maximum working load 7500 lbs.
Jet-T™ Features:
• Non skid deck
• Zero maintenance
• Easy installation
• State-of-the-art, linear low density polyethylene, non-corrosive materials
• 8-year limited warranty
• Floats with tide or water level changes
• Unsinkable, foam filled
• Decorative safety plug to fill two attachment points included

Dimensions:
• 9’3” x 5’9” x 9” platform
• Maximum working load 1000 lbs.

Attachment Materials:
• PVC attachment kit for calm water areas
• Use standard 4” PVC pipe for easy mounting
• Hot dip galvanized attachment kit for rough water areas

Hideaway™ Features:
• Non skid deck
• Zero maintenance
• Easy installation
• State-of-the-art, linear low density polyethylene, non-corrosive materials
• 8-year limited warranty
• Floats with tide or water level changes
• Unsinkable, foam filled
• All impact and wear surfaces are replaceable.

Dimensions:
• 12’5” x 5’ x 9” platform
• Maximum working load 1300 lbs.

Attachment Materials:
• Floating Dock Attachment Kit
• Fixed Dock Attachment Kit

Additional Safe Haven Accessories Available:
• Dock Mount Winch Kit
• Double Hook-up
• Adjustable Fixed Dock Attachment
• Corner Plug
• HDG Attachment Kit
• Replaceable Bow Guide
• Platform Mount Winch Kit
• Fixed Dock Attachment
• Flat Filler Bunk
• 4”, 6”, 8” Pipe Bunk
• Structure Plug
• PVC Attachment Kit
• Floating Dock Attachment
MARKER BUOYS

All marker buoys are foam filled for maximum buoyancy. Each contains twenty pounds of concrete which adds strength to the shackle bolt insuring superior durability in active waters.

Construction Specification:
- 48” overall height
- Upper tube 26”
- Ball diameter 18”
- Lower ballast tube 6”
- 39 lbs. total weight
- 20 lbs. ballast concrete
- Expanded polystyrene foam filled
- Replaceable stainless steel connecting pin
- Available in white, green or red
- No Wake, Slow, Danger, and Swim Area labels are available

Flotation Specification:
- Minimum 15 lbs. ground tackle
- Maximum 93 lbs. ground tackle
- 93 lbs. buoyancy to 1” below top of ball

MOORING BUOYS

The impact resistant high density polyethylene shell is 3/16” thick filled with expanded polystyrene foam for the most reliable flotation. Thick wear resistant polyethylene tube is molded into the shell. Standard buoy is white with a reflective blue strip. Additional colors, graphics, reflective tape and ballast are available. All buoys have a two year warranty.

Custom Graphics Available!
Our mooring buoys were designed for those who value and desire quality, dependability, and ease of use. Each buoy has a tough impact resistant high-density polyethylene shell that extends the life of the buoy, because the shell is much more resistant to collisions than the PVC or Urethane shell used by many of our competitors. Also, a polyethylene shell is very resistant to damage from UV rays and most unpredictable temperature changes. Obviously, the benefits of the polyethylene shell are quality and dependability.

In addition, our method of flotation is very reliable. Each buoy is filled with styrene foam that performs better in freezing conditions than the urethane foam used by some of our competition. Under freezing conditions, if water seeps into a buoy containing urethane foam flotation, as the buoy thaws the urethane foam will turn to mush and no longer provide flotation. On the other hand, a buoy using styrene flotation will long endure such temperature changes before losing any buoyancy.

Another important feature unique to our line is the wear resistant polyethylene tube that is molded directly into each buoy. PVC pipes are commonly used in other buoys, and they are loosely attached. Also, polyethylene resists marine growth much better than the PVC, therefore our buoy line helps extend the life of ground tackle. In conclusion, our mooring buoys offer quality, dependability, and ease of use.

<table>
<thead>
<tr>
<th>Dia.</th>
<th>12”</th>
<th>18”</th>
<th>18” Shackle</th>
<th>24”</th>
<th>24” Shackle</th>
<th>32”</th>
<th>32” Shackle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buoyancy</td>
<td>25 lbs.</td>
<td>95 lbs.</td>
<td>92 lbs.</td>
<td>180 lbs.</td>
<td>176 lbs.</td>
<td>500 lbs.</td>
<td>495 lbs.</td>
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<tr>
<td>Weight</td>
<td>4 lbs.</td>
<td>11 lbs.</td>
<td>11 lbs.</td>
<td>17 lbs.</td>
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<td>31 lbs.</td>
<td>31 lbs.</td>
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<tr>
<td>Tube Id.</td>
<td>1 1/2”</td>
<td>1 1/2, 2, or 3”</td>
<td>1 1/2, 2, or 3”</td>
<td>2 or 3”</td>
<td>2 or 3”</td>
<td>2 or 3”</td>
<td>2 or 3”</td>
</tr>
<tr>
<td>Shackle Pocket Length</td>
<td>4”</td>
<td>6 1/2”</td>
<td>10”</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rope Nest Available</td>
<td>no</td>
<td>no</td>
<td>yes</td>
<td>no</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
E900  24" x 48" x 24"
900 lbs. of lift capacity
8 attachments on 12" and 18" ctrs.
Not UPS shippable

B600  24" x 48" x 16"
600 lbs. of lift capacity
8 attachments on 12" and 18" ctrs.
Not UPS shippable

D335  24" x 36" x 12"
335 lbs. of lift capacity
8 attachments on 12" and 18" ctrs.

D470  24" x 48" x 12"
470 lbs. of lift capacity
8 attachments on 12" and 18" ctrs.

D700  36" x 48" x 12"
700 lbs. of lift capacity
8 attachments on 12" and 18" ctrs.
Not UPS shippable

C1000  36" x 48" x 18"
1000 lbs. of lift capacity
8 attachments on 18" ctrs.
Not UPS shippable

C650  24" x 48" x 18"
650 lbs. of lift capacity
8 attachments on 12" and 18" ctrs.
Not UPS shippable

C490  24" x 36" x 18"
490 lbs. of lift capacity
8 attachments on 12" and 18" ctrs.
DOCK FLOATS

We offer the most advanced line of easily installed dock floats with maximum lift capacity. For the waterfront resident, boaters, and marinas, our floats are constructed of thick-walled rotationally molded polyethylene shell that encapsulates expanded polystyrene - the finest flotation material available today. The thick polyethylene shell is impact resistant and will also resist damage from marine life. The expanded polystyrene has 1 lb. – 1.5 lbs. density and will pass a 5% maximum absorption test.

We also have the best warranty in the business, a full 12 years, and this is your assurance of quality performance. The thick walled plastic float case is packed with EPS that is environmentally approved and exceeds all new government regulations.

COMPUTATIONS OF LOADING REQUIREMENTS

Length x Width = Square feet of dock
Square feet x 35 lbs.
(15 lbs. weight of dock + 20 lbs. weight of people) = Total Load

Divide Total Load by Dock Float Model Number
Example: 10’ x 12’ dock = 120 sq. ft.
120 sq. ft. x 35 lbs. = 4,200 lbs.

4,200 lbs./Model 470 = 9 floats
4,200 lbs./Model 650 = 7 floats

All dock floats are designed with a flange used for easy installation on new or existing docks. See illustration. Additional flotation may be necessary under high load points, such as where a gangway rests upon your dock.

Slotted flange for lag or through bolt installation

Our floats add to your docks' structural integrity.
(O) Connector Pin Set
for quick disconnect. Used to connect male and female connectors.

(A) Outside Corner (female)
has two 1/2" welded tabs. Used with a male outside corner.

(B) Outside Corner (male)
has one 1/2" welded tab. Used with female outside to connect dock end to end.

(C) Outside Corner End
use this corner at ends of fingers and docks.

(D) Inside Corner
this heavy-duty inside corner should be used with one of the corners.

(E) Inside Corner Pipe Holder 3"
heavy-duty inside corners used with one of the outside corners and has an internal pipe holder.

(E) Inside Corner Pipe Holder 2"
heavy-duty inside corners used with one of the outside corners and has an internal pipe holder.
(F) **Angle**, use this heavy-duty for all cross supports.

(G) **Female T Connector** has two welded 1/2" tabs. Bolts to side of dock to attach fingers and ramps.

(H) **Male T Connector** has one welded 1/2" tab. Use with female T connector to attach fingers and ramps.

(I) **Washer Plate**, use two washer plates with each angle.

(J) **Chain Retainer** bolts to side of dock. Use weights and chains to hold dock in place.

(K) **Pipe Holder/Outside 3”** bolt to outside of dock. Carriage bolt set required for attaching.
INTERIOR ALUMINUM DOCK STABILIZER

Sta-Dock® has been in development for over 10 years and is now being introduced to the public. The Sta-Dock® is designed to reduce, and in most cases, completely alleviate the unsafe rocking and rolling of your finger piers or small docks.

The Sta-Dock® is manufactured of marine grade aluminum, UHMW rollers, and stainless steel fasteners. It is designed to withstand rough conditions.

ALUMINUM DOCK LADDERS

Our ladders provide safe and convenient access in and out of the water. They are constructed of heavy-duty marine grade aluminum with non-skid treads on each step, and installation is fast and easy.

Features:
- comfortable climbing angle
- flips out of the water
- requires minimal dock space
- safety rope allows ladder to be lowered by swimmers
PILE GLIDE®
Patent #D5066685

The last pile guide you will ever have to buy. The patented Pile Glide® is the first new innovation to come along in wood pile technology in many years. Using marine and aircraft grade aluminum, with HDPE glide ring, instead of wheels, the Pile Glide® will substantially increase the life of the pile. With these features, the uniquely engineered Pile Glide®, is the most advanced method of securing a floating dock to wood piles. With 5 sizes currently available and custom sizes on request, we have the attachment you need to get the peace of mind that only a Pile Glide® can give.
A. Interior Pile Guide with Four Rollers
12” guide with a clearance 12
14” guide with a clearance 14
18” guide with a clearance 17 1/2”

B. Exterior Pile Guide with Four Rollers
12” guide with a clearance of 13 1/2”

C. Single Pile Roller

D. 12” U Hoop
1” solid rod with 12” thread and 11” opening
10” U Hoop
1” solid rod with 12” thread and 9” opening

E. Exterior Pile Hoop
13” x 13” clearance

F. Removable End Exterior Pile Hoop
13” x 13” clearance

G. Exterior Pile Hoop with Roller
13” x 13” clearance

H. Removable End Exterior Pile Hoop with Roller
13” x 13” clearance
POWDER PEDESTALS

The PowerPort from HyPower is so advanced, it turns problems into opportunities.

Unlike old fashioned power pedestals that are hardwired, the innovative PowerPort features modular panels that simply snap in. The receptacles, breakers, optional phone and TV outlets are all located in lockable panels.

Need to upgrade a receptacle? Just snap it in! Right, left, front or back…you can place them on the port practically anywhere you want. PowerPort is the only pedestal on the market with four fully functional, built in sides for added convenience and flexibility.

With the PowerPort’s modular design, 400-amp capacity, and hundreds of options, it is a flexible, expandable and durable power pedestal that’s certain to keep you a step ahead of your ever-changing needs.

Success guaranteed. Remodels, expansions, or all new construction…Power Snap™ technology eliminates the guesswork in design and planning - making certain your project is a complete success while saving you money. Even if you’re already pre-wired, we have the perfect solution.

That’s a promise!

ALUMINUM & HDG CLEATS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>BOLT</th>
<th>WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>8” H.D.G. Malleable Iron Cleat</td>
<td>5/16</td>
<td>1.5</td>
</tr>
<tr>
<td>10” H.D.G. Malleable Iron Cleat</td>
<td>3/8</td>
<td>2.25</td>
</tr>
<tr>
<td>12” H.D.G. Malleable Iron Cleat</td>
<td>3/8</td>
<td>3.5</td>
</tr>
<tr>
<td>14” H.D.G. Malleable Iron Cleat</td>
<td>1/2</td>
<td>6.5</td>
</tr>
<tr>
<td>18” H.D.G. Malleable Iron Cleat</td>
<td>5/8</td>
<td>11</td>
</tr>
<tr>
<td>10” Aluminum “S” Cleat</td>
<td>1/2</td>
<td>1.54</td>
</tr>
<tr>
<td>12” Aluminum “S” Cleat</td>
<td>1/2</td>
<td>2.20</td>
</tr>
<tr>
<td>15” Aluminum “S” Cleat</td>
<td>1/2</td>
<td>3.38</td>
</tr>
</tbody>
</table>

POWER PEDESTALS

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That’s a promise!
DOCK WHEEL
Available in 10” and 14”
Corner or Side Mount

RUBRAILS
Using extra rugged design to withstand heavy impact, our rubrails are built to last. They are resistant to cracking, rotting, and deteriorating when exposed to extreme temperatures. UV inhibitor resists yellowing and discoloring from sunlight. The rubrails are also unaffected by oil, gas, or saltwater. Stocked in white and black.