

# PRODUCT CATALOG

DOCK FLOATS & BUOYS | COMMERCIAL & RESIDENTIAL DOCK RAMPS | DOCK BUILDING HARDWARE & ACCESSORIES

[carolinawaterworks.com](http://carolinawaterworks.com)



# ALUMINUM DOCKS

## THE CWI PROMISE

At Carolina Waterworks, Inc. we are committed to helping you maximize your time spent on the water and minimize the related effort and expense.

Through constant innovations and high quality standards, we provide marine products that are safe, easy to use, and low maintenance.



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*Our aluminum docks are constructed using the finest marine grade aluminum and under the highest marine industry standards. You can choose from a wide range of decking including aluminum, ipe, and composite.*



# GANGWAYS & RAMPS

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ALUMINUM



IPE DECKING



POLY DECKING



COMPOSITE

We build 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.

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.



Photo A



Photo B

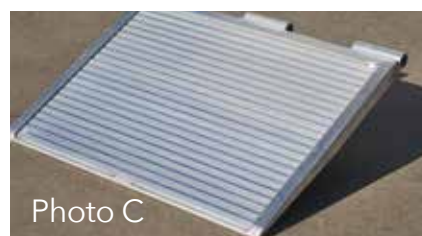


Photo C

*All gangways are assembled with two dock wheels on one side (Photo A) and a hinge plate on the other side (Photo B). Optional access plate available (Photo C).*

We offer the most advanced line of easily installed dock floats with the 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. The thick polyethylene shell is impact resistant and will also resist damage from marine life. The expanded polystyrene has 1-1.5 lb. density and will pass a 5% maximum absorption test. The thick walled plastic float case is packed with EPS that is environmentally approved and exceeds all new government regulations.



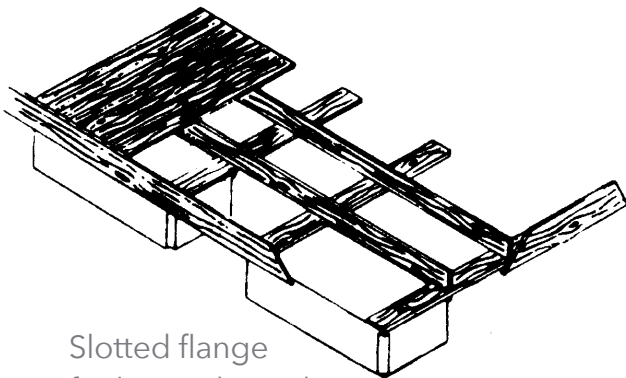
#### STANDARD FEATURES:

- POLYETHYLENE SHELL
- ENCAPSULATED POLYSTYRENE CENTER
- IMPACT RESISTANT
- FULL 12 YEAR WARRANTY

Our floats add to your docks structural integrity.

DOCK FLOAT #	DIMENSIONS L x W x H	LIFT CAPACITY	DESCRIPTION
D335	24" x 36" x 12"	335 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
D470	24" x 48" x 12"	470 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
D700	36" x 48" x 12"	700 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
B600	24" x 48" x 16"	600 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
B900	36" x 48" x 16"	900 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
B1200	48" x 48" x 16"	1200 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
B1850	48" x 72" x 16"	1850 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
C490	24" x 36" x 18"	490 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
C650	24" x 48" x 18"	650 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
C1000	36" x 48" x 18"	1000 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
C1300	48" x 48" x 18"	1300 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
C2000	48" x 72" x 18"	2000 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
F750	24" x 48" x 20"	750 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
F1100	36" x 48" x 20"	1100 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
F1500	48" x 48" x 20"	1500 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
F2150	48" x 72" x 20"	2150 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS
E900	24" x 48" x 24"	900 LBS.	8 ATTACHMENTS ON 12" AND 18" CENTERS

All dock floats are designed with a flange used for easy installation on new or existing docks. (See illustration below.) 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.

### 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:

Step 1. 10' x 12' dock = 120 sq. ft.

Step 2. 120 sq. ft x 35 lbs. = 4,200 lbs.

Step 3. 4,200 lbs. divided by Model 470 = 9 floats



# GALVANIZED DOCK HARDWARE

OUTSIDE CORNER (MALE)



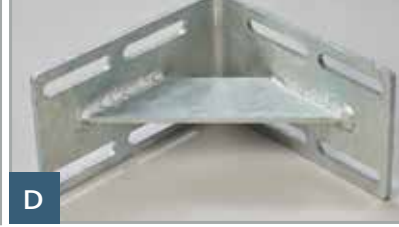
OUTSIDE CORNER (FEMALE)



CORNER END (OUTSIDE)



CORNER END (INSIDE)



INSIDE PIPE HOLDER (3")



ANGLE



T-CONNECTOR (FEMALE)



T-CONNECTOR (MALE)



WASHER PLATE



CONNECTOR PIN



SINGLE PILE ROLLER

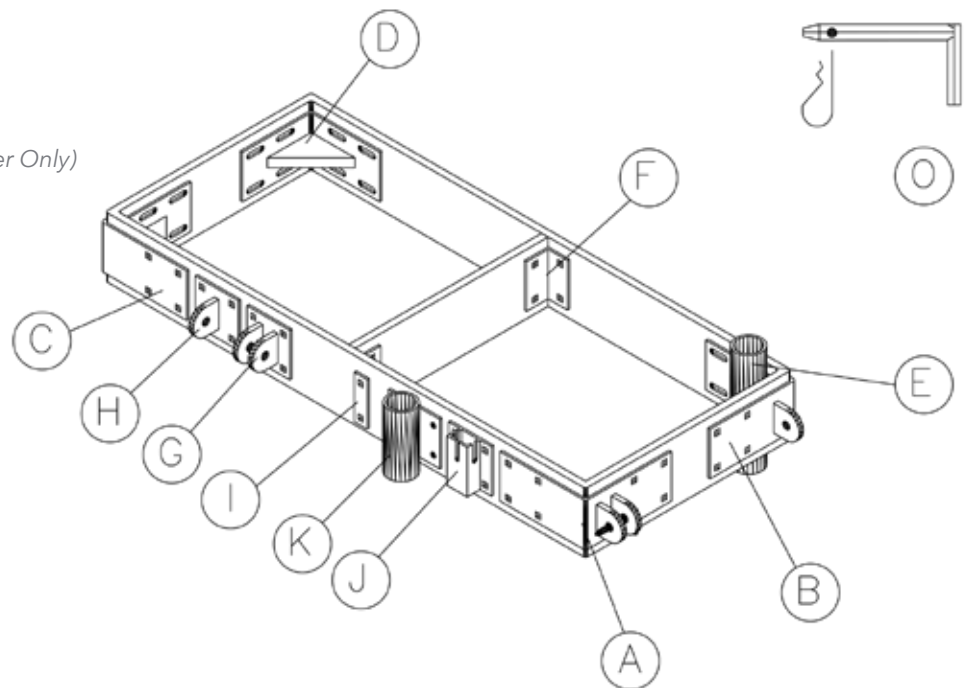


CLEAT ANGLE



J Chain Retainer (*Special Order Only*)

K Outside Pipe Holder (*Special Order Only*)



# CORNERS, BOLTS, PLATES

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## HDG HEX HEAD BOLT

### AVAILABLE SIZES:

1/2" x 12"  
1/2" x 10"  
1/2" x 8"  
1/2" x 6"  
1/2" x 5"  
1/2" x 2 1/2"

### AVAILABLE SIZES:

3/8" x 8"  
3/8" x 6"  
3/8" x 5"  
3/8" x 4"

### AVAILABLE SIZES:

5/16" x 6"  
5/16" x 4"



## HDG CARRIAGE BOLT

### AVAILABLE SIZES:

3/8" x 4"  
3/8" x 6"  
3/8" x 8"

### AVAILABLE SIZES:

1/2" x 4"  
1/2" x 6"  
1/2" x 8"  
1/2" x 10"  
1/2" x 12"



## HDG LAG BOLT



### AVAILABLE SIZES:

1/2" x 4"      3/8" x 3"  
1/2" x 3"      3/8" x 2 1/2"  
1/2" x 2 1/2"

## SS LAG BOLT



### AVAILABLE SIZES:

1/2" x 3"      3/8" x 3"  
1/2" x 2 1/2"      3/8" x 2 1/2"

## HDG FLAT & FENDER WASHERS, HDG NUTS



FLAT WASHER SIZES: 5/16", 3/8", 1/2"  
FENDER WASHER SIZE: 1/2"

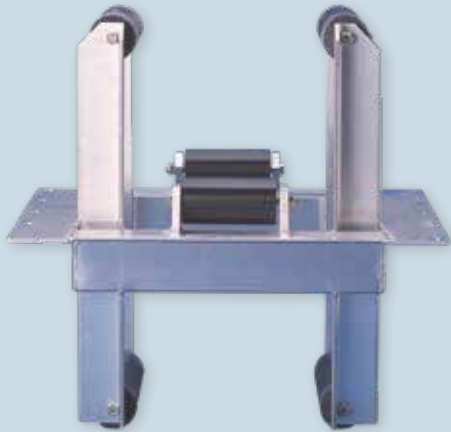
## SS FLAT & FENDER WASHER



FLAT WASHER SIZE: 1/2"  
FENDER WASHER SIZES: 3/8", 1/2"

# 6 INTERIOR PILE GUIDES/HOOPS

## INTERIOR ALUMINUM DOCK STABILIZER



(CUSTOM ORDER ONLY)

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.



BEFORE



AFTER

## INTERIOR HDG

### HDG INTERIOR PILE GUIDE WITH ROLLERS



SIZES:  
12"/14"/17"

## INTERIOR ALUMINUM

### ALUMINUM INTERIOR PILE GUIDE WITH ROLLERS



SIZES:  
12"/14"/16"

SPECIAL  
ORDER  
ONLY

## INTERIOR ALUMINUM

### UHMW INTERIOR PILE GLIDE®



SIZES:  
6" / 8" / 10" / 12"  
14" / 16"

SPECIAL  
ORDER  
ONLY

## INTERIOR HDPE

### MOLDED HDPE INTERIOR PILE GLIDE®



SIZES:  
10" / 12"  
14" / 16"



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# EXTERIOR PILE GUIDES/HOOPS

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## EXTERIOR HDG

HDG EXTERIOR  
PILE HOOP



## EXTERIOR HDG

HDG EXTERIOR PILE HOOP  
WITH ROLLER



## EXTERIOR HDG

HDG EXTERIOR PILE HOOP  
WITH REMOVEABLE END



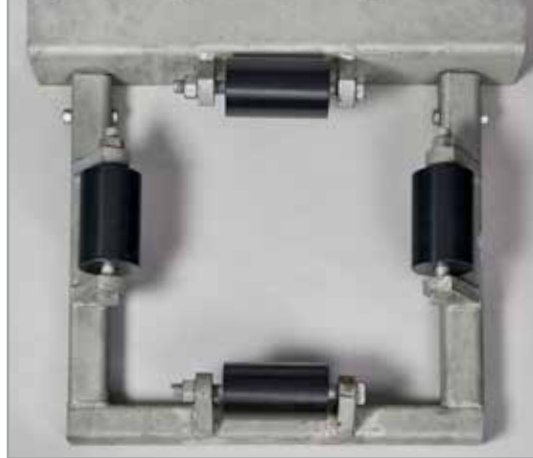
## EXTERIOR HDG

HDG EXTERIOR PILE HOOP  
WITH REMOVEABLE END  
AND ROLLER



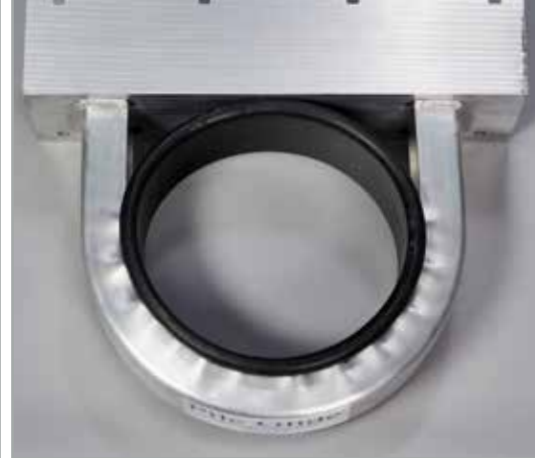
## EXTERIOR HDG

HDG EXTERIOR PILE GUIDE  
WITH 4 ROLLERS AND  
REMOVEABLE END



## EXTERIOR ALUMINUM

ALUMINUM EXTERIOR  
PILE GLIDE®



SIZES:  
8" / 10" / 12" / 14" / 16"

The last pile guide you will ever have to buy. 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.

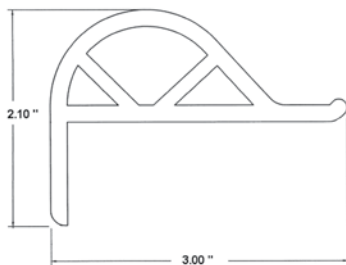
## RUBRAIL & RUBRAIL CORNERS

Using extra rugged design to withstand heavy impact, our rubrails are built to last.

### RUBRAIL CORNERS (WHITE & BLACK)



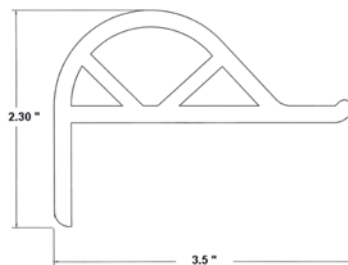
#5001



10 FT. SECTION  
(AVAILABLE IN WHITE & BLACK)



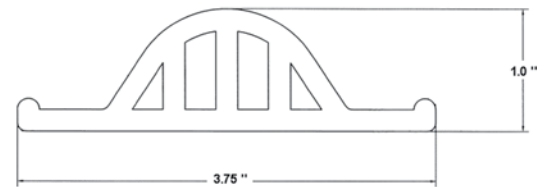
#5002



10 FT. SECTION  
(AVAILABLE IN WHITE & BLACK)



#5007



10 FT. SECTION  
(AVAILABLE IN WHITE & BLACK)

### PRODUCT FEATURES:

- Resistant to cracking, rotting or deteriorating when exposed to extreme temperatures
- UV inhibitor resists yellowing and discoloring from the sun
- Unaffected by oil, gas or saltwater
- Available in white or black



# CLEATS & LADDERS

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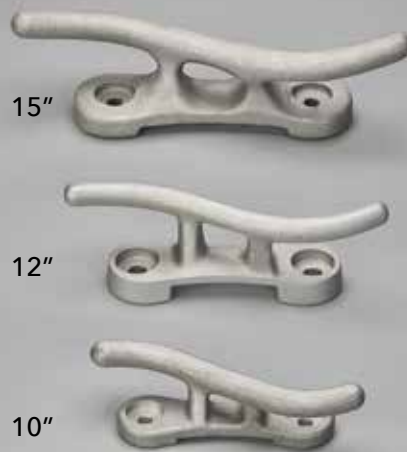
## S CLEATS

SIZE	BOLT	WT.
15"	1/2"	3.38
12"	1/2"	2.20
10"	1/2"	1.54

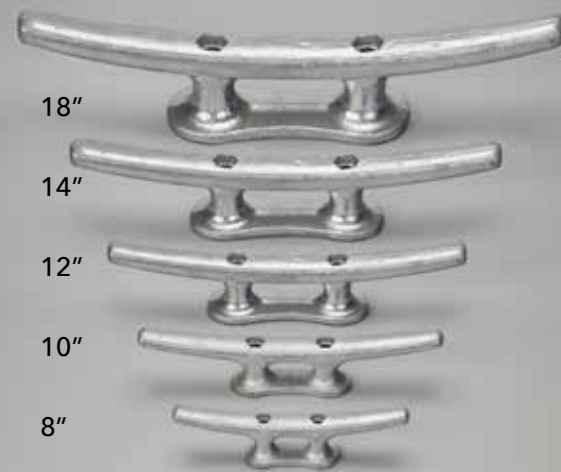
## HDG CLEATS

SIZE	BOLT	WT.
18"	5/8"	11
14"	1/2"	6.5
12"	3/8"	3.5
10"	3/8"	2.25
8"	5/16"	1.5

### ALUMINUM "S" CLEAT



### HDG MALLEABLE IRON CLEAT



## 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.

### 5 STEP FLIP UP LADDER



### 5 STEP PULL UP LADDER



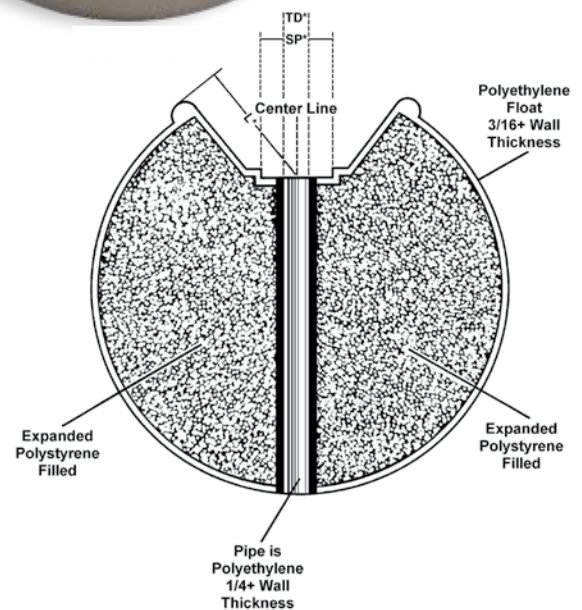
## MOORING BUOYS

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. 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.



PATENTED SHACKLE POCKET  
Patent #US6955574B2



L\* is the Length of the Shackle Pocket  
SP\* is the Support Plate Pocket  
TD\* is the Inside Tube Diameter



## MOORING BUOY



AVAILABLE DIAMETERS:

24" 32"



BUOY W/ WASHER

## MOORING BUOY W/SHACKLE POCKET



AVAILABLE DIAMETERS:

24" 32"



## MOORING BUOY WITH ROPE NEST



AVAILABLE DIAMETERS:

24" 32"



**CUSTOM MOLD-IN GRAPHICS AVAILABLE!**

Diameter	24"	24" Shackle	32"	32" Shackle
Buoyancy	180 lbs.	176 lbs.	500 lbs.	495 lbs.
Weight	17 lbs.	17 lbs.	31 lbs.	31 lbs.
Tube Id.	2 or 3"	2 or 3"	2 or 3"	2 or 3"
Shackle Pocket Length		6 1/2"		10"
Rope Nest Available	no	yes	no	yes



## MARKER BUOYS

## CONSTRUCTION SPECIFICATIONS:

- Overall Height: 48"
- Upper Tube: 26"
- Ball Diameter: 18"
- Lower Ballast Tube: 6"
- Total Weight: 39 lbs.
- Ballast Concrete: 20 lbs.
- Expandable polystyrene foam filled
- Replaceable stainless steel connecting pin

## FLOTATION SPECIFICATIONS:

- Min. 15 lbs. ground tackle and max. 93 lbs. ground tackle
- 93 lbs. buoyancy to 1" below top of ball

## LABELS AVAILABLE:

No Wake | Slow | Danger | Swim Area



**JET-T AND JET-T ULTRA:**

- Non skid deck
- Zero maintenance
- Easy installation
- State-of-the-art, linear low density polyethylene, non-corrosive materials
- Three year limited warranty
- Floats with tide or water level changes
- Unsinkable, foam filled
- Decorative safety plug to fill two attachment points included

**ATTACHMENT MATERIALS:**

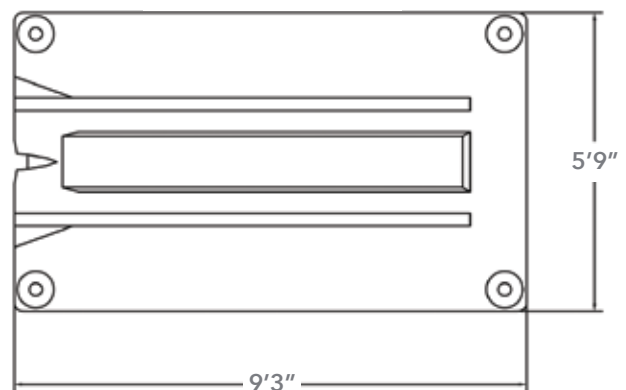
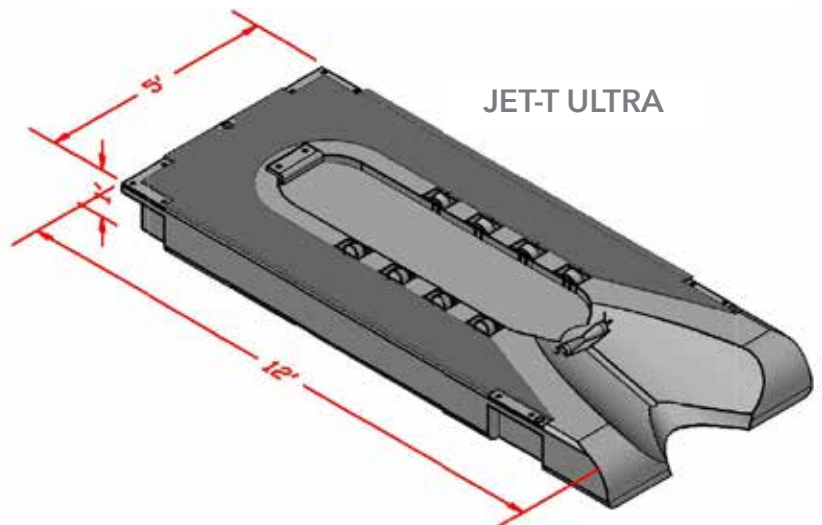
- PVC attachment kit for calm water areas
- Use standard 4" PVC pipe for easy mounting
- Aluminum attachment kit for rough water areas

**JET-T DIMENSIONS:**

- 9'3" x 5'9" platform
- Maximum working load 1000 lbs.

**JET-T ULTRA DIMENSIONS:**

- 12' x 5' platform
- Maximum working load 1800 lbs.

**JET-T****JET-T ULTRA**



## TWELVE YEAR FLOAT WARRANTY

Carolina Waterworks, Inc. of Goose Creek, South Carolina, guarantees the polyethylene encased foam floatation unit for a period of twelve years from the date of delivery against cracking, peeling, sloughing, and destructive deterioration from ultra-violet rays while retaining its resiliency against ice and bumps by watercraft.

- The defect in material must occur by reason of manufacturing defects unless otherwise provided herein, excluded from this guarantee are defects resulting from improper care, improper use, abuse, or misuse.
- If, within twelve years after the date of delivery the floatation units are found to be defective, Carolina Waterworks shall provide a new floatation unit or repair the existing float after receipt of a written notice from the owner to do so. This obligation shall survive termination of the contract between Carolina Waterworks and the owner.
- Carolina Waterworks warrants to the owner that all materials and equipment furnished are new unless otherwise specified, and that all work is of good quality and free from faults and defects. All materials and labor not conforming to these requirements, including substitutions not properly approved and authorized, may be the defect in material must occur by reason of manufacturing defects unless otherwise provided herein. Excluded considered defective.
- Carolina Waterworks makes in representation, guarantees or warranties, express or implied, except as expressly set forth herein.



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