

MERCOTM MARINE

Manufacturer of Dock Building
Components and Accessories



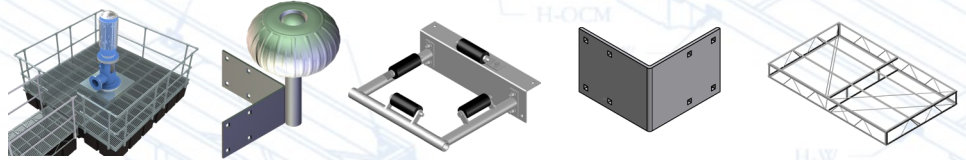
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1-304-737-3006

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Merco Marine is passionate about our business and we strive to provide the best service possible. We take great pride in our service and our 100% made in the USA products. We hope you love our new site as much as we do. We truly appreciate your support and can't wait for the opportunity to serve you!



Pump Dock **Dock Wheels** **Pipe Holders** **Wood Dock Hardware** **Truss Frames**
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LOOKING FOR PRICING?

Some of our pricing is changing on almost a daily basis. Due to this market volatility we are no longer able to publish our pricing in our catalog. All of our pricing is on our website at:

www.mercoboatdocks.com/all-products

DEALERS? NEED YOUR PRICING?

If you create a dealer account at www.mercoboatdocks.com/ register you will be able to view your specific pricing at any time you are logged in to our site. When you are logged in with a dealer account all of the pricing you see automatically changes to show your prices!



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Company Info

Company Name: *

Contact Name: *

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PRICE SHEETS

Are now available at the same link as above mercoboatdocks.com/all-products Just click the **PRINTER FRIENDLY** version.



Our website can also figure shipping charges on most items that are able to ship UPS or FedEx. All you need to do is add the desired items to your cart and use the "estimate shipping & tax" option.

With Merco Marine you pay only the actual shipping cost. No additional charges are applied and there is no minimum.



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Proudly Made in the United States of America

Mercos Marine manufactures nearly **500 different** products for dock systems, marinas, and industrial applications. These are products such as our wood dock hardware, pile guides, stationary dock components, truss frames, ladders, cleats, corner bumpers, pile caps, and many others. In total we sell **1,350 unique** individual items. Plus we stock most of what we sell. We have over **650,000** items in stock at certain times.

Many different applications



Floating Buildings



Fishing Piers



Rowing Docks



Floating Boardwalks



Boat Show Docks



Maintenance Docks



Industrial Applications



Kayak Launch Areas



Specialty Docks



Frequently Asked Questions

Where is Merco Marine located?

60 Merco Rd – Wellsburg, WV 26070. The northern tip of WV on the Ohio river. We're about 50 minutes west of Pittsburgh. Flying in? The nearest airport is the Wheeling Ohio County airport which is 15 minutes driving time south of our plant. The nearest commercial airport is Pittsburgh International which is 45 minutes northeast of our plant.

Who manufactures your products?

We do! We **ARE** actually the manufacturer of all of our galvanized steel wood dock components, truss frames, pile guides, etc. Everything is made right here in our plant in Wellsburg, WV using only US steel and US employees!

How much do sections weigh?

Finished dock section weights. Please note, weights shown below are approximate. Weights vary per use.

Truss Frames: (using PT SYP 2x6 decking, bumpboard, PT SYP 2x4 sleepers, frames, rubrail, and float drums) 1-1/2" style = 10lbs per sq ft 2" style = 12lbs per sq ft

Wood dock: (using STANDARD "H" hardware (not lightweight "HL" or heavy duty "HD", PT SYP 2x8 frame members, PT SYP 2x6 decking, rubrail, and float drums) 11lbs per sq ft

Parralam dock: (using 3x12 gluelam beams for side stringers, our galvanized steel internal frame members, 2x6 PT SYP decking, rubrail, and float drums) 25lbs per sq ft.

How many piling do I need?

On most layouts on the main dock we recommend at least 1 piling every 40'. We also recommend to use piling on fingers over 20' in length. However, it's not always a simple question of how many you need. You also need to take into account water flow direction (if applicable) and whether or not you plan on moving sections around at any time or adding more dock in the future.

What is your return policy?

You can return new, unopened items from a cancelled order within 2 weeks after they have been delivered to you. Items should be re-packed in an undamaged box prior to shipping. There is a **15 PERCENT** restocking fee on **ALL** returned items.

What type of rubrail should I use?

Our two most commonly used rubrail types are RR-5001 and RR-5002. In general the larger the number in the SKU the stronger the profile.

Do I have to take my dock out in the winter?

Many floating docks are left in the winter even if the body of water freezes. If the water freezes and the ice moves around it is better to take your dock out. If you leave the dock in freezing conditions, it is wise to take small pipes out. Tie the dock in a cove if possible or tie so it can float freely. If the ice moves at all, and the pipes move, they can tear up the dock quickly.

What type of dock should I use?

We offer several types of dock construction to fit your needs. If you are on a small pond or stream you could use a small wood frame dock, either floating or stationary made with lightweight Homeowners dock hardware or stationary dock hardware. If you are on a river or large lake you should use floating truss frames or a floating heavy duty wood frame with heavy duty wood dock hardware. If extra strength is needed use our 2" truss frames and if you have fingers sticking out use our finger stabilizers. If you are on a very large lake or on a coastal harbor use our floating heavy duty 2" truss frame system or our paralam aka truss and wood construction.

Can I pick up at the plant?

Sometimes, it saves to pick up yourself. You should have the necessary straps and equipment to do this. We do not have rope or straps available for this purpose. You need to get your load back home safely. You will also need to remember that if you pick up at the plant you will pay sales tax.



New Pictures of Older Projects



14 Years old in 2020



7 Years old in 2020

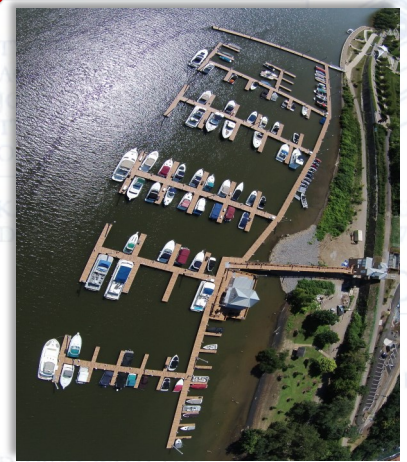


16 Years old in 2020

Marina Aerial Video Series

As a courtesy to some of our customers Merco has done several high definition videos of marina projects we have worked on in the past. You can find the videos on YouTube if you do a search for Merco Marine or just go to www.youtube.com/mercomarine and look for our Aerial Video playlist. South Side Marina from above is one of many of those that we have video of.

www.youtube.com/mercomarine



Under Construction

These are various projects that our customers have sent us partially finished of their projects. In most cases we have figured parts lists and assembly plans to help our customers assemble docks if they wanted to do it themselves.



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DEPTH AND POUNDS OF FLOTATION. IF THE UPS COLUMN HAS A "X", THE PRODUCT CAN BE SHIPPED UPS.

MODEL	W L D	BUOYANCY	CUBIC FT	UPS
FC 2072M				
FC 2312				
FC 2316	2' x 3' x 16"	442	8.0	X
FC 2412	2' x 4' x 12"	434	8.0	X
FC 2416	2' x 4' x 16"	598	10.7	X

MODEL	W L D	BUOYANCY	CUBIC FT	UPS
FC 4420	4' x 4' x 20"	1,220	16.0	
FC 4424	4' x 4' x 24"	1,520	21.3	
FC 4512	4' x 5' x 12"	1,799	26.6	
FC 4516	4' x 5' x 16"	2,190	31.9	
FC 4520	4' x 5' x 20"	2,580	37.2	

WOOD DOCK HARDWARE



Boatyard in California



Marina in West Virginia



Marina in Massachusetts



Boatyard in Virginia



Homeowners Dock in Ohio



Resort in Cancun



OUR 3 DIFFERENT GRADES OF WOOD DOCK HARDWARE

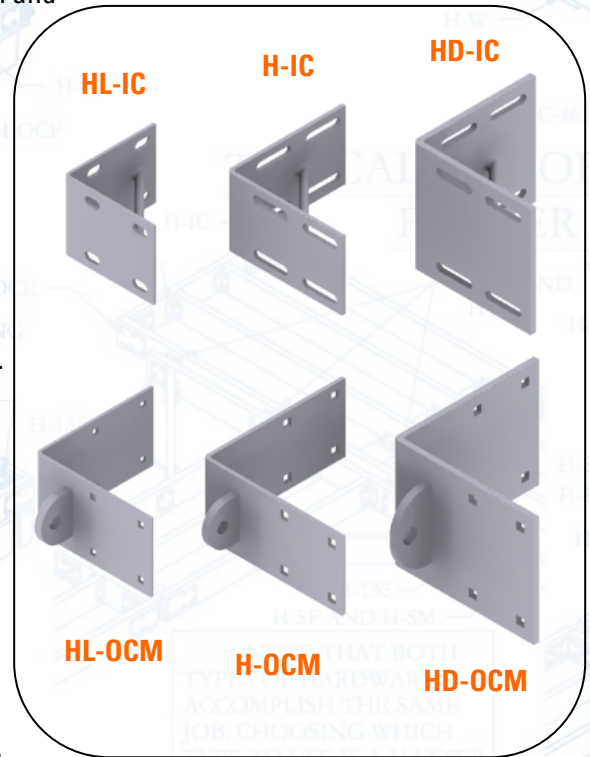
Our **wood dock hardware** is manufactured in three different thicknesses of high strength steel. Are you tired of trying to find the best deal and the original source for products? We're It! Most other boat dock builders buy their hardware from someone else. We don't! All of our hardware is made with US steel and US employees right here in our plant in Wellsburg, WV. Our galvanized steel wood dock hardware will give you years of premium use! Our wood dock hardware is **HOT DIPPED GALVANIZED** after fabrication.

To determine which style of hardware works best for you please take a moment to review the information below.

Light: (Item code series HL-) Is for small lakes or ponds with very little water level or wave fluctuation. This grade of hardware is 5" tall, 3/16" thick, and uses 3/8" carriage bolts for assembly. The hinges use 3/4" bolts or pins. You can find our basic HL series hardware on pages 12-13.

Standard: (Item code series H-) Is our most popular line it is the most commonly used for dock applications. Use this type of hardware on rivers or lakes with moderate waves or water level fluctuation. This grade of hardware is 5" tall, 1/4" thick, and uses 1/2" carriage bolts for assembly. The hinges use 3/4" bolts or pins. You can find our basic H series hardware on pages 8-9.

Heavy: (Item code series HD-) Use this type of hardware in areas with more extreme conditions. Heavy duty wood dock hardware is 8" tall, 3/8" thick, and uses 1/2" carriage bolts for assembly. The hinges use 1" bolts or pins. You can find our basic HD series hardware on pages 16-17.



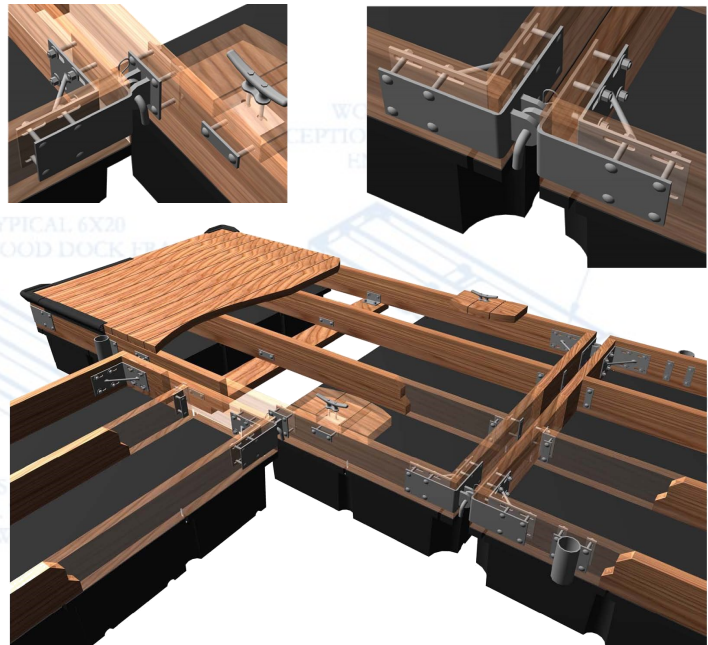
Please note that in most cases our hardware is not interchangeable between grades.

PLAN KITS

Plan Kit

If you are thinking about building a wood dock on your own this year our wood dock plan kit may be just the ticket to help you. Give us a call and have us mail you a copy of this easy to understand kit that will explain how to build a wood floating dock, the right way the first time. The kit contains general drawings on 3' - 10' wide docks, a typical U, T, and L dock layout configurations plus the hardware, floats, and lumber needed to build these layouts. The kit also explains all of our wood dock hardware, what its used for, and why. The kit is available online, it's free to view or download or you can have us mail you a hard copy as a 24" x 36" drawing.

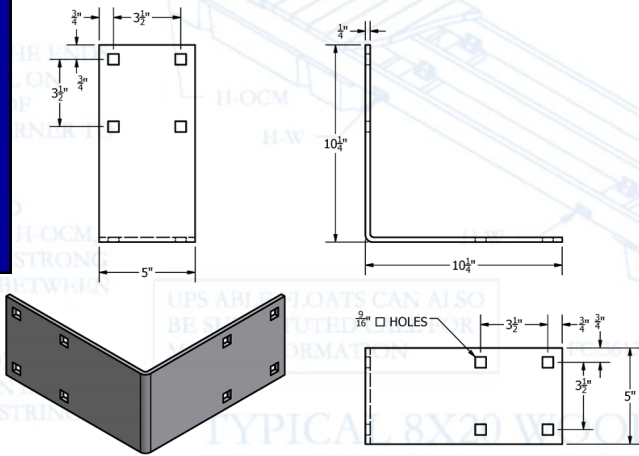
Mercob can provide you lists which have all the necessary hardware, floats, and fasteners. You can save money on freight by buying lumber & decking locally.



You can view or print our plan kit for FREE at www.mercoboardocks.com/plan-kit

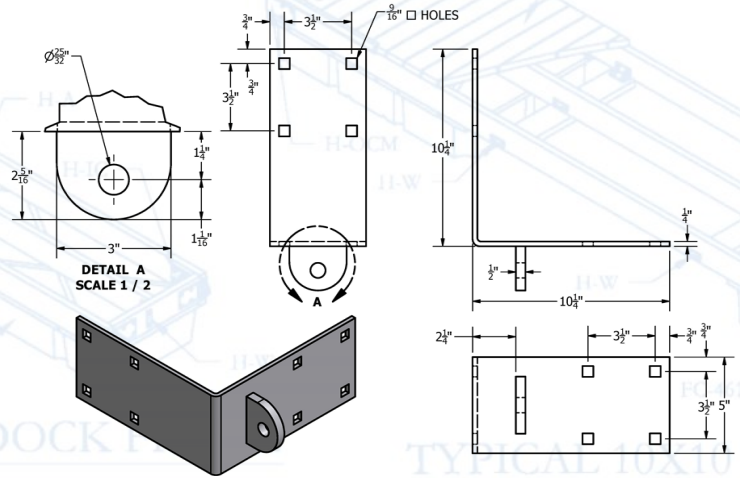


1/4" HOT DIPPED GALVANIZED WOOD DOCK HARDWARE



Outside Corner End (H-OCE) is used at the ends of fingers, ends of dock or for swim platforms.

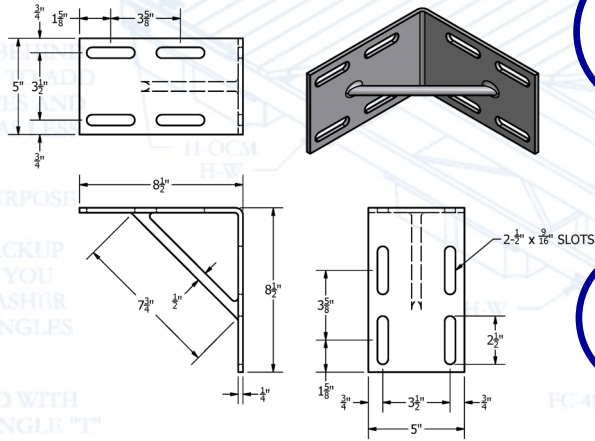
H-OCE Ship# 7



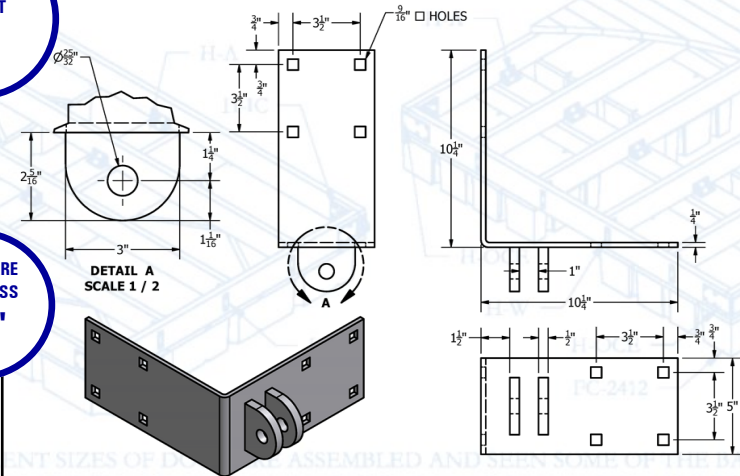
Outside Corner Male (H-OCM) has one 1/2" tab and a hole for a 3/4" bolt or B-PIN. Would be used with an Outside Corner Female (H-OCF) or with a Single "T" Female (H-SF). **H-OCM Ship# 8**

HARDWARE HEIGHT
5"

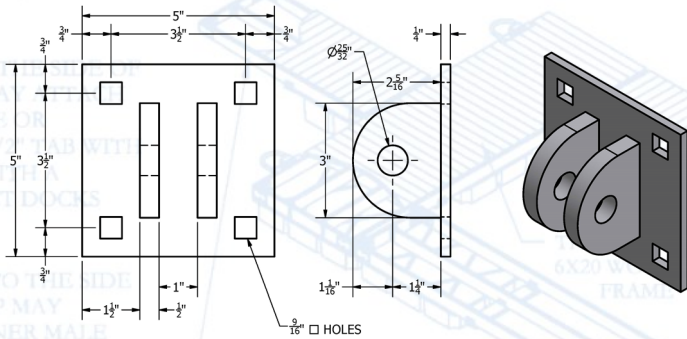
HARDWARE THICKNESS
1/4"



Inside Corner (H-IC) has slots and can be used with 1-1/2" - 3" thick wood. The inside corner sandwiches the wood between the opposite outside corner, keeping bolts from burying themselves in the wood. A corner gusset gives the unit a lot of strength and helps from racking the dock. **H-IC Ship# 7**

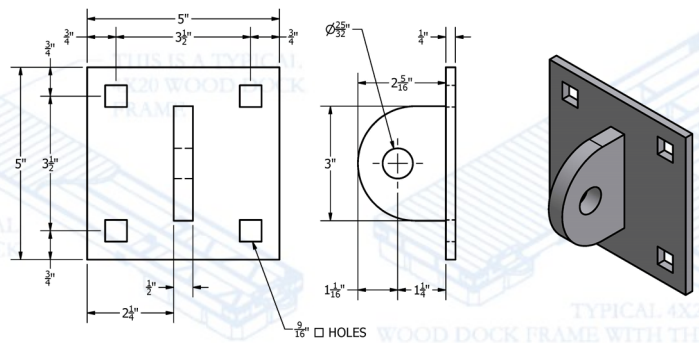


Outside Corner Female (H-OCF) has two 1/2" tabs and a hole for a 3/4" bolt or B-PIN. Would be used with an Outside Corner Male (H-OCM) or with a Single "T" Male (H-SM). **H-OCF Ship# 9**



Single "T" Female (H-SF) has two 1/2" tabs and is used with an Outside Corner Male (H-OCM) or a Single "T" Male (H-SM). Both male and female singles can be bolted to the side of a dock to make finger attachments. They can also be bolted to seawalls to make ramps.

H-SF Ship# 4



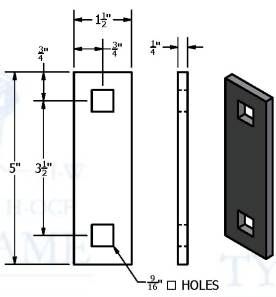
Single "T" Male (H-SM) has one 1/2" tab and is used with an Outside Corner Female (H-OCF) or Single "T" Female (H-SF).

H-SM Ship# 3



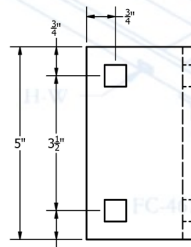
1/4" HOT DIPPED GALVANIZED WOOD DOCK HARDWARE

WOOD DOCK HARDWARE

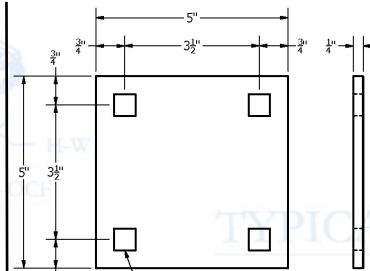
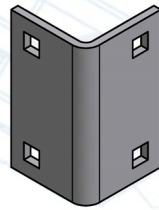


Washer Plates (H-W) are used mostly with Angles (H-A) and Cleat Angles (H-CA). The square hole in the plate keeps the carriage bolts from turning when the bolts are tightened.

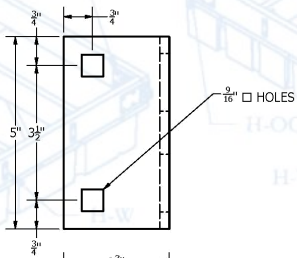
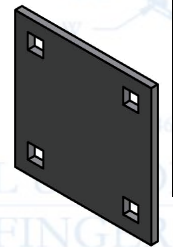
H-W Ship# 1



Angles (H-A) are used to hold all cross stringers to side stringers using a Washer Plate (H-W). The wood is sandwiched between the steel and creates a solid corner. **H-A Ship# 2**

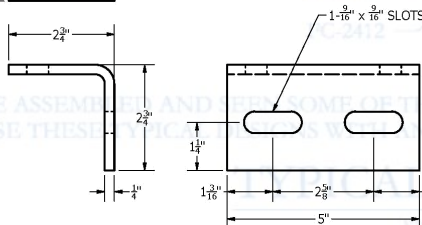
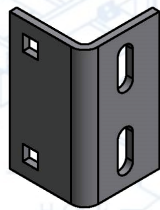


Backup Plates (H-B) are used with Single "T" Males (H-SM) and Single "T" Females (H-SF) for additional strength and to keep bolts from pulling through the wood. **H-B Ship# 2**

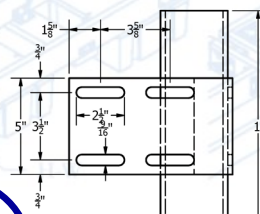


Cleat Angles (H-CA) have slots for various sizes of cleats. The cleat angle is bolted to the side stringer using a Washer Plate (H-W). The cleat is then bolted through the deck into the cleat angle. This keeps the cleat from pulling out of the deck.

H-CA Ship# 2

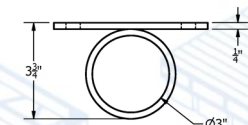
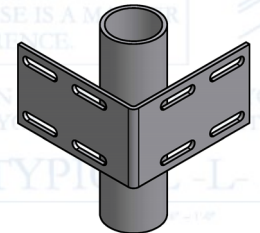
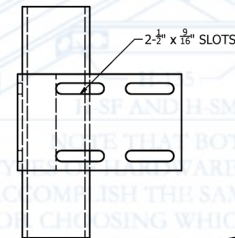


HARDWARE THICKNESS
1/4"

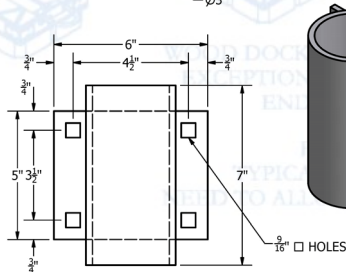


Inside Corner/3" I.D. Pipe Holder (H-IC3) has a 3" I.D. pipe holder welded in place. It can be used to replace a regular inside corner. It will accommodate a 2" I.D. pipe.

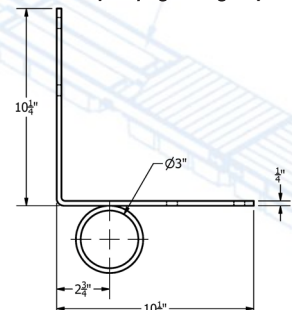
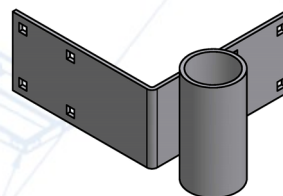
H-IC3 Ship# 13



3" Pipe Holder (H-OCEP3) outside corner end with a pipe holder welded to the end. 3" opening for 2" pipe. Save money by getting 2 pieces of hardware in one.

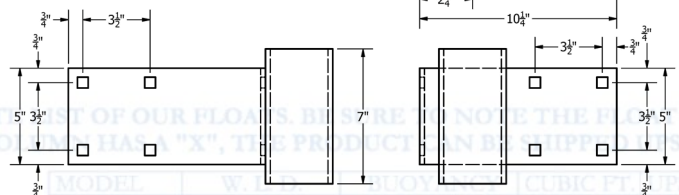


H-OCEP3 Ship# 11



3" Pipe Holder (P-3) can bolt to the side stringer and uses 2" standard pipe to anchor docks in place.

P-3 Ship# 6



All of the projects below were constructed using our wood dock hardware systems found on pages 8-17



State park in Ohio



Floating Platform in Ohio



Homeowners Dock in New Hampshire



Wood Dock Sections Ready to Ship



Pier and Wood Ramp in Maryland



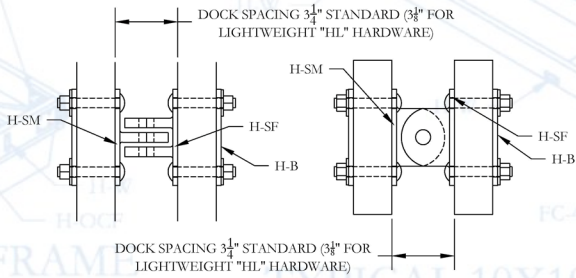
Homeowners Dock in Pennsylvania



Launch Ramp Dock in West Virginia



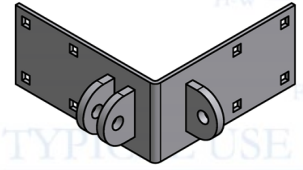
SPECIAL USE WOOD DOCK HARDWARE



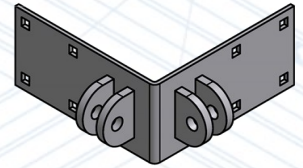
Typical Wood Dock Hardware Spacing.
The detail to the left shows typical wood dock spacing using our H and HL grade hardware. This applies to all dock hardware where we use our 3/4" pin (B-PIN), including our truss frame dock hardware. It does not apply to our HD wood dock hardware.

Typical Wood Dock Hardware Rotation: Our H and HL wood dock hardware can rotate up or down 58° giving our hinge (by itself) a total of 116° of rotation. Several factors limit this rotation including float size and placement, decking thickness, frame materials, and more. If you use 2x8 framing and have a 12" deep float at the end of your sections the rotation is limited to 14° down and 50° up. If you use the same setup and hold the floats 6" away from the ends of sections you can get 50° up or down.

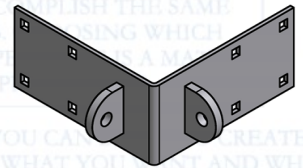
Note: Measurements for corners below are the same as on page 8 for H series or page 12 for HL series



Male/Female Outside Corner
H-OCFM Ship# 10
HL-OCFM Ship# 7
Light Wt. Not Pictured

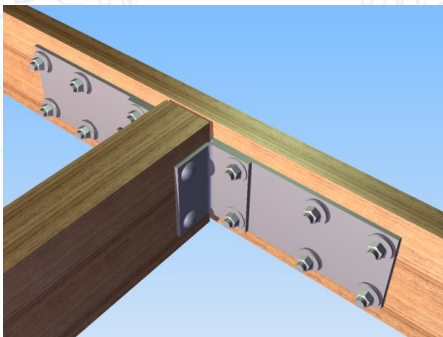
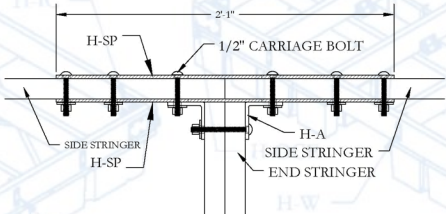


Female/Female Outside Corner
H-OCFF Ship# 11
HL-OCFF Ship# 8
Light Wt. Not Pictured



Male/Male Outside Corner
H-OCMM Ship# 9
HL-OCMM Ship# 6
Light Wt. Not Pictured

SPLICE PLATES

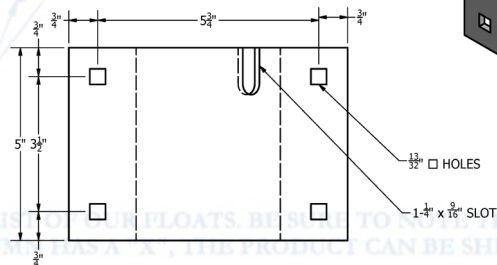
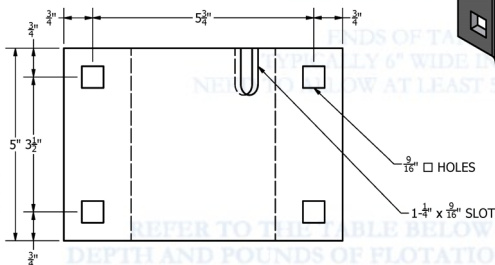
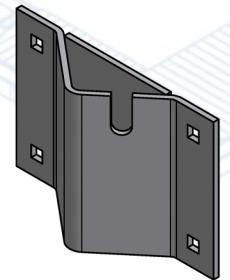
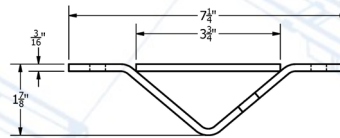
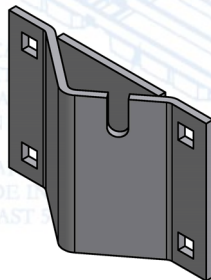
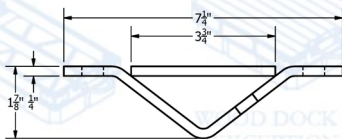


Splice plates measure 5" x 25" x 1/4" and are designed to join two timbers together. One is used on each side. Bolt placement is designed so that an angle and 1-1/2" lumber can be added at the splice and end up at the end of the splice. Note: H-SP uses H grade hardware with 1/2" carriage bolts, HL-SP uses HL grade hardware with 3/8" carriage bolts.

H-SP Ship# 18 Set of 2
HL-SP Ship# 18 Set of 2

CHAIN RETAINERS

Chain Retainers bolt to the side of the dock and use chain to hold a dock in place. Use chain up to 3/8" and two washer plates to reinforce.



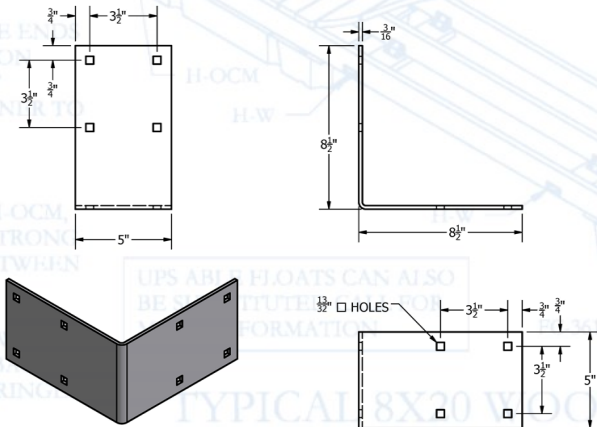
H-CR Ship# 5

HL-CR Ship# 4

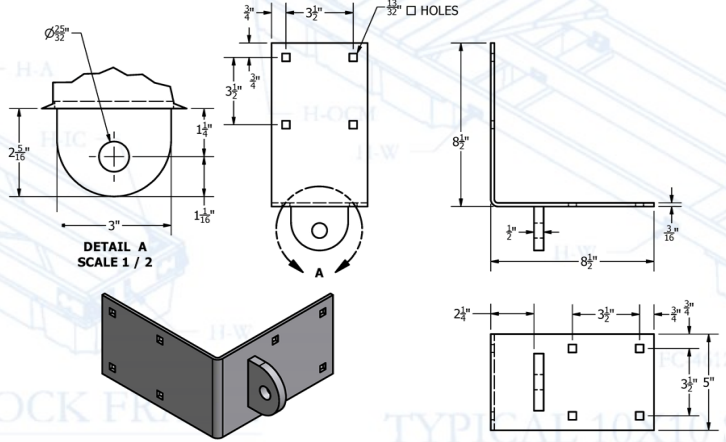
SPECIAL USE HARDWARE

HOMEOWNERS WOOD DOCK HARDWARE

MADE WITH 3/16" HIGH STRENGTH STEEL THEN HOT DIPPED GALVANIZED

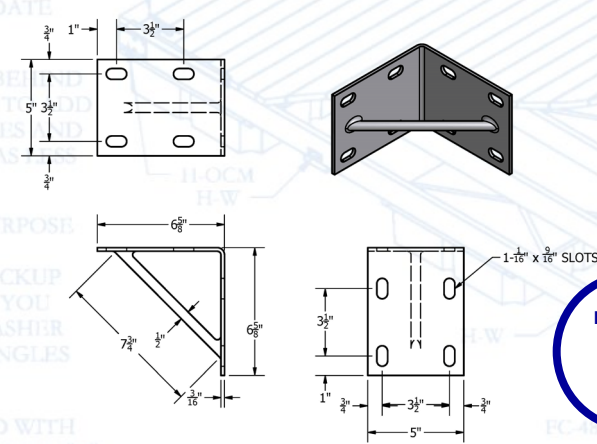


Outside Corner End (HL-OCE) is used at end of fingers or docks. Good for swim floats. **HL-OCE Ship# 4-1/2**

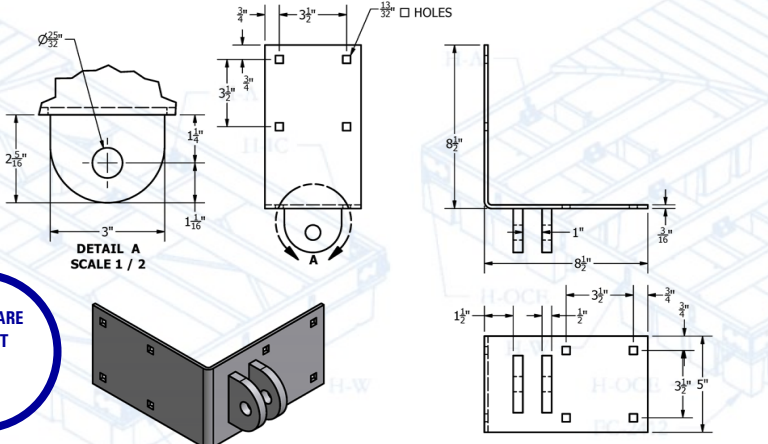


Outside Corner Male (HL-OCM) has one 1/2" tab with a hole for 3/4" bolt or pin. Use with HL-OCF or HL-SF. **HL-OCM Ship# 5**

LIGHT WOOD DOCK



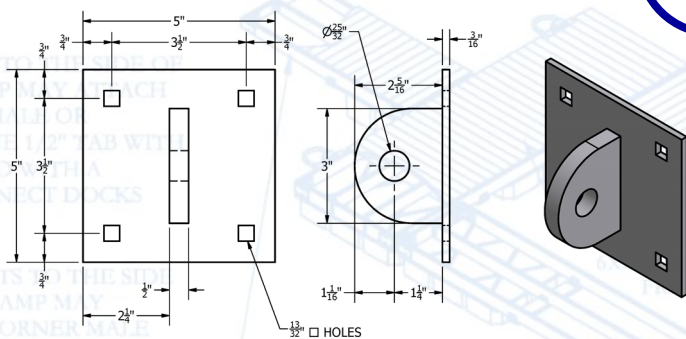
Inside Corner (HL-IC) is used with an outside corner to sandwich the wood corner gusset adds strength to dock. **HL-IC Ship# 5**



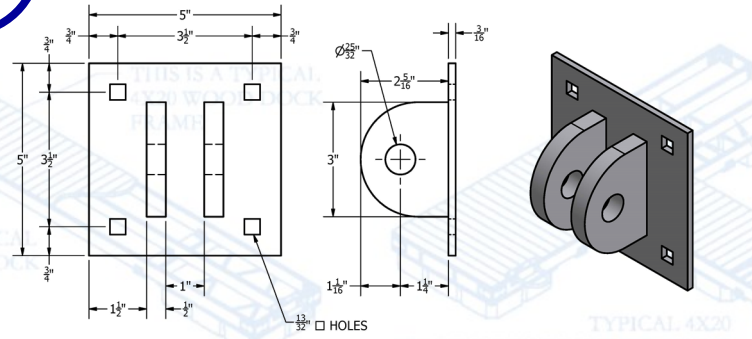
Outside Corner Female (HL-OCF) has two 1/2" tabs with a hole for 3/4" bolt or B-PIN. Use with HL-OCM or HL-SM. **HL-OCF Ship# 6-1/2**

HARDWARE HEIGHT
5"

HARDWARE THICKNESS
3/16"



Single "T" Male (HL-SM) has one 1/2" tab with a hole for 3/4" bolt or B-PIN. Use with HL-OCF or HL-SF. **HL-SM Ship# 3**

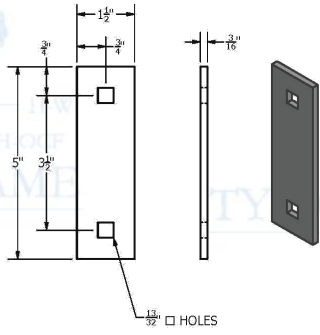


Single "T" Female (HL-SF) has two 1/2" tabs with a hole for 3/4" bolt or B-PIN. Bolts to side of dock to attach fingers. Use also for ramps. **HL-SF Ship# 4**



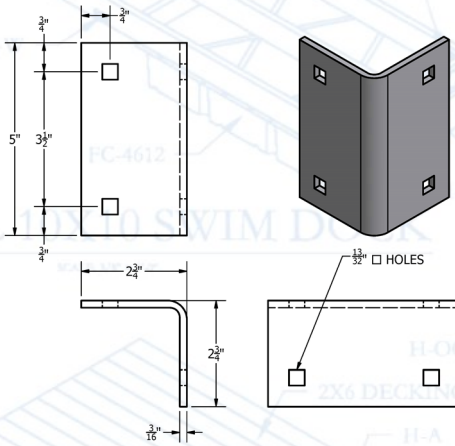
HOMEOWNERS WOOD DOCK HARDWARE

MADE WITH 3/16" HIGH STRENGTH STEEL THEN HOT DIPPED GALVANIZED



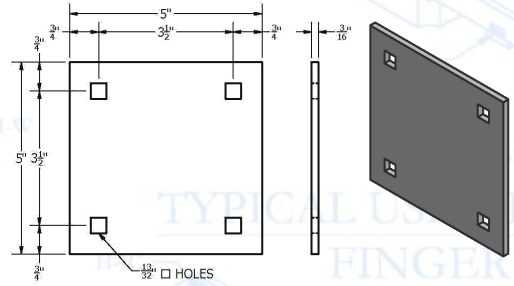
Washer Plates (HL-W) are used with angles two with each angle.

HL-W Ship# 1/2



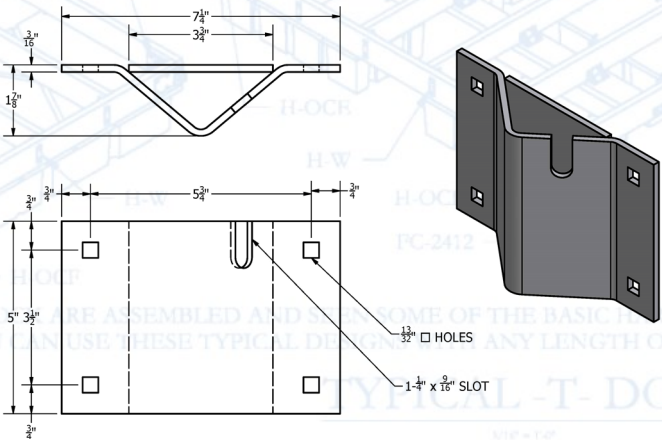
Angles (HL-A) are used with cross stringers use with two HL-W.

HL-A Ship# 1-1/2



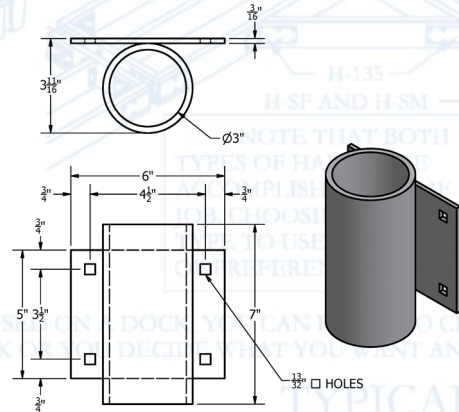
Backup Plate (HL-B) is used for additional strength behind HL-SM and HL-SF.

HL-B Ship# 1-1/2



Chain Retainer (HL-CR) bolts to side of dock and uses chain to hold dock in place. Use chain up to 3/8". Use two HL-W as backup plates.

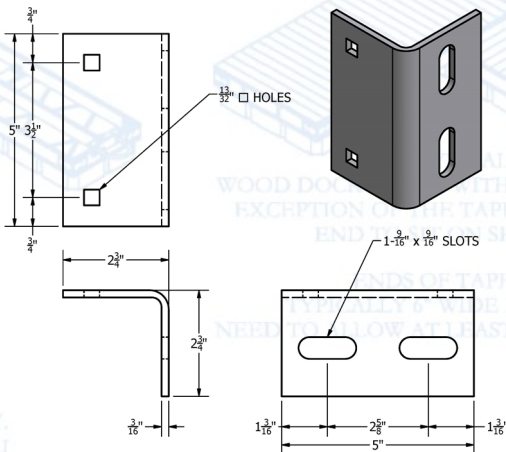
HL-CR Ship# 4



3" Pipe Holder (PL-3) bolts to side of dock. Uses two HL-W as backup plates. Uses 2" pipe to hold dock in place.

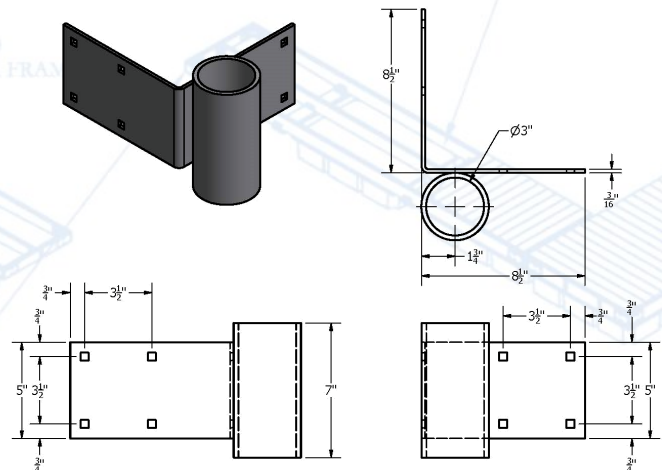
PL-3 Ship# 5

HARDWARE THICKNESS 3/16"



Cleat Angle (HL-CA) has slots to accommodate various size cleats and keeps cleats from pulling out. Use HL-W as backup plates.

HL-CA Ship# 1-1/2

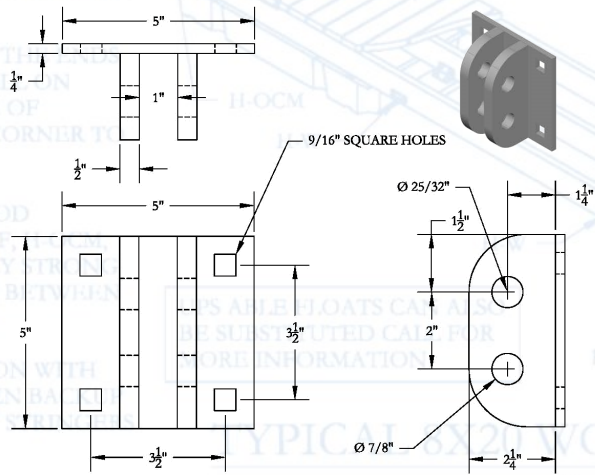


Homeowners outside corner end 3" pipe. (HL-OCEP3) Use with 2" ID SCH 40 pipe. HL-OCEP3 Ship# 7

LIGHT WOOD DOCK



NON-ARTICULATING WOOD DOCK HARDWARE



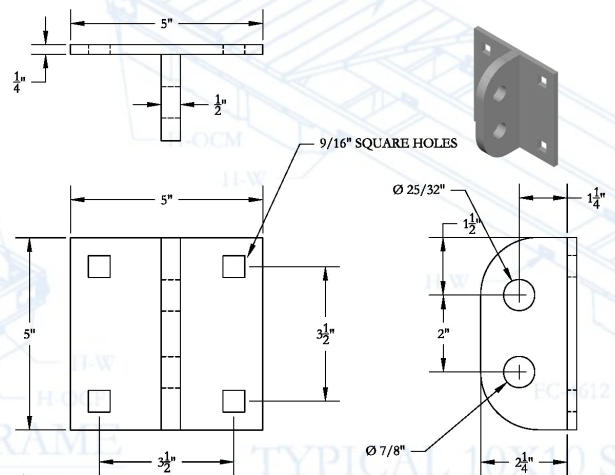
H-NASF Ship# 5

Use our non-articulating wood dock hardware on your wood frame floating boat docks to replace our standard H-SM, H-SF, H-OCM, and H-OCF hardware. The non-articulating style hardware allows for easy dock section connection but it won't allow the sections to articulate or hinge at the connection point. Use in no wave areas.

STIFF CONNECTION

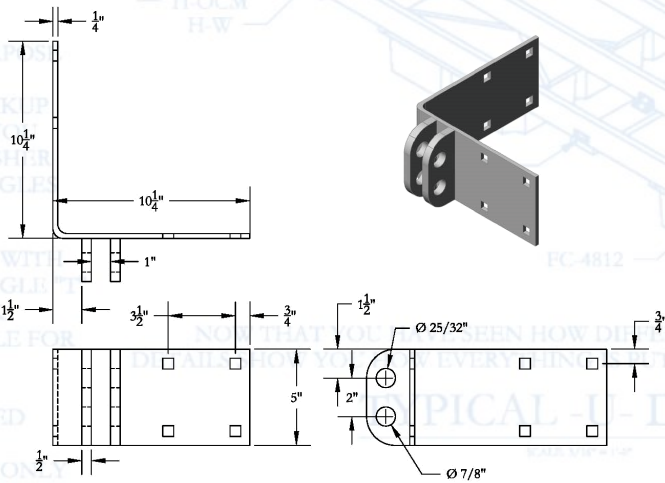
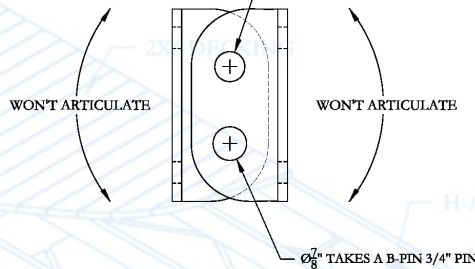
WON'T HINGE

EASY PIN CONNECTIONS

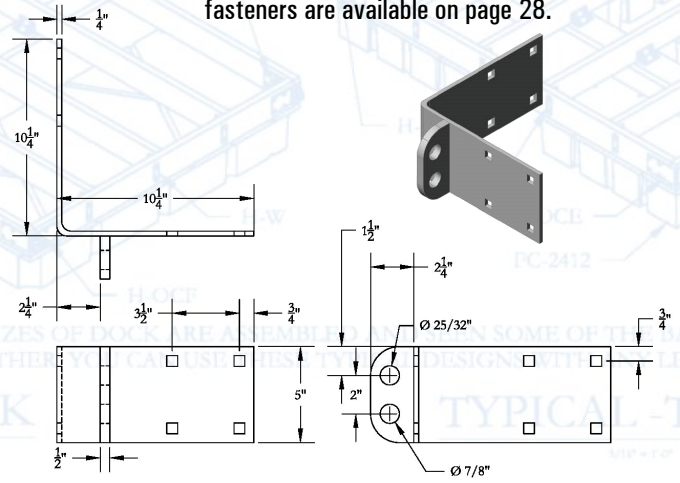


H-NASM Ship# 4

The non-articulating hardware is compatible with our standard wood dock hardware H-IC Inside Corners and H-B Backup plates using two B-PIN 3/4" pins. The two different pin hole sizes allow a small tolerance for ease of assembly. The 9/16" square holes accept a 1/2" carriage bolt. Hot dipped galvanized after fabrication. All of the fasteners are available on page 28.



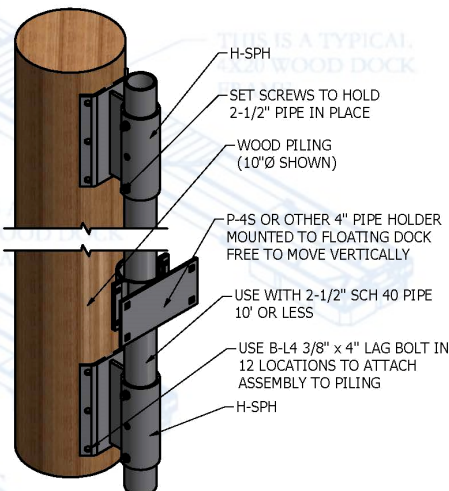
H-NAOCF Ship# 10



H-NAOCM Ship# 9

H-SPH

Our H-SPH stationary pipe holder is designed to be used where you have a floating dock near a fixed piling or pier, when you have only a small amount of water level fluctuation. Mount two H-SPH brackets to the piling. Run a 2-1/2" SCH 40 pipe between the brackets and lock in place with the provided set screws. Then mount a P-4S to your floating dock and attach the dock to the piling using the 2-1/2" pipe and P-4S.



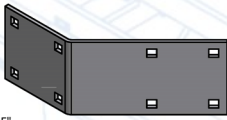
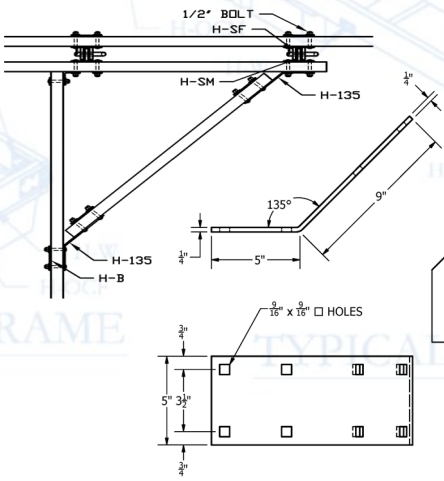
Great for attaching floating dock to stationary dock.

H-SPH Ship# 12
(two needed per assembly shown)
P-4S Ship# 10
You provide the 2-1/2" Sch 40 pipe.

NON-ARTICULATING

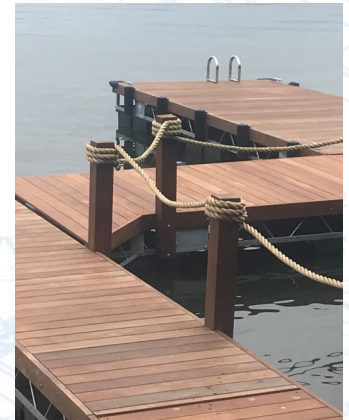


FINGER STABILIZATION



Using our **H-135** hardware, you can easily construct a finger stabilizer. Use H-SF and H-SM to complete the job. Finger stabilizers, especially on narrow fingers, tend to spread the load on the main dock side stringers.

The picture on the right is an example use of Finger Stabilization using our **TF-FS** (page 56) in the same manor as our **H-135** or **H-FSP**. The only differences are the types of dock construction being used. TF-FS is for truss frames, the H-135 is for wood dock. With the correct hardware the H-FSP can work for either construction method

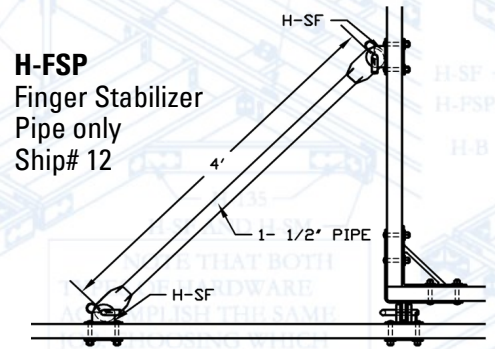


H-135 135 Angle Ship# 5

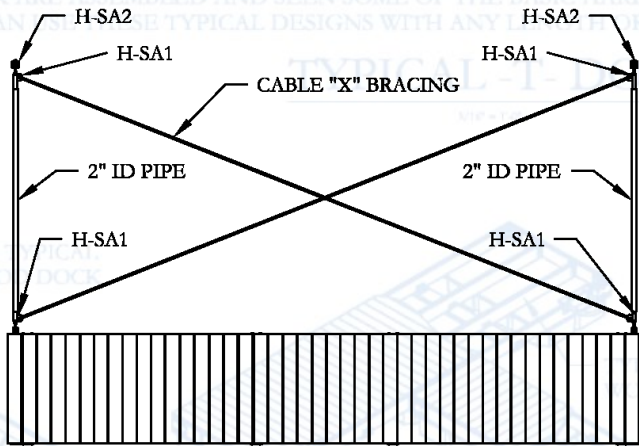
PIPE TYPE FINGER STABILIZER

Our pipe type finger stabilizer (H-FSP) is used to help stabilize fingers coming off a main dock. It can be used with many different types of docks.

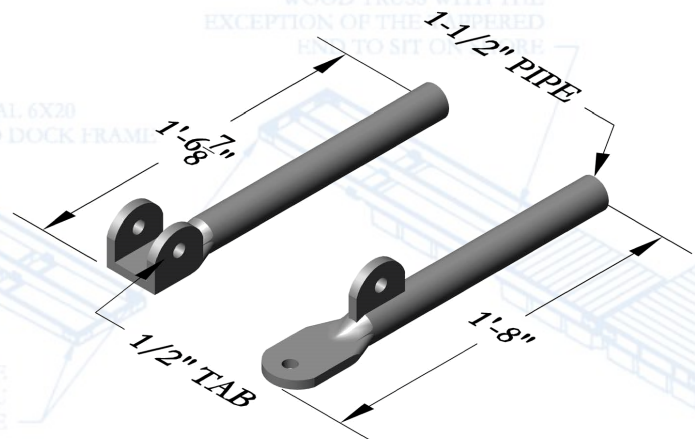
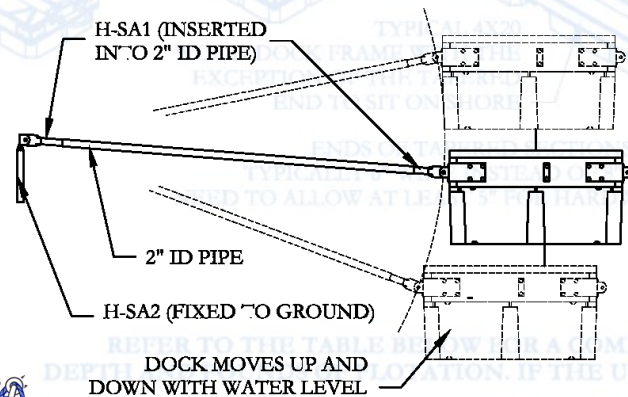
For wood dock you will need 2 H-SF Single "T" Female or 2-HL-SF Lightweight Single "T" Female and 1-1/2" pipe. Attach pipe to H-SF or HL-SF with either a B-Pin or B-HB3 bolts. For truss docks you need basically the same hardware as you would use for wood dock except you would need to add an H-AP (page 56).



STIFF ARMS



This is a convenient way to hold a dock in place without pile or pipe. Using our two stiff arm fittings below you can make a stiff arm assembly. The H-SA2 thru bolts into a 2" pipe which is in the ground on shore. Two of the H-SA1's are thru bolted in both ends of another 2" Pipe to go between shore and your dock. Tabs included on the side provide a place for the cable "x" bracing. You supply the 2" pipe, cable and clamps.



H-SA2
Ship# 5
(Mounts on shore)

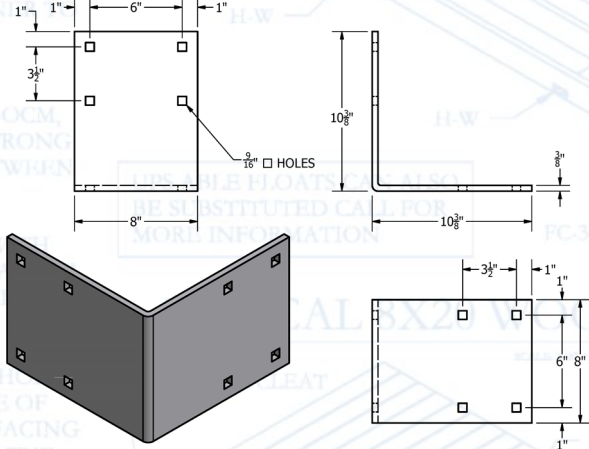
H-SA1
Ship# 5
(Mounts on 2" pipe to your dock)

FINGERS AND STIFF ARMS

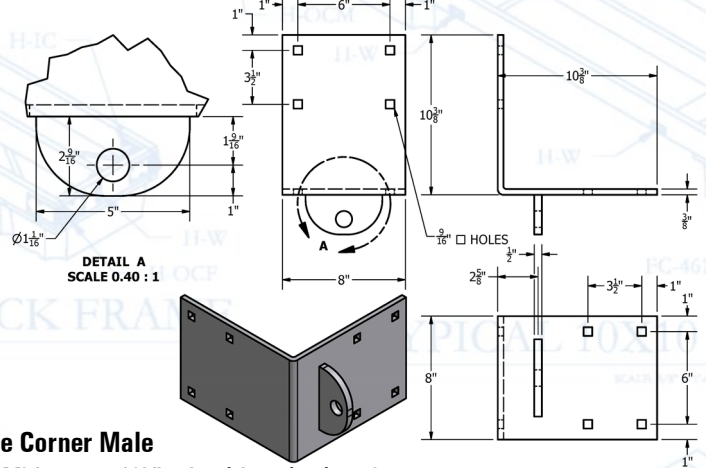
HEAVY DUTY WOOD DOCK HARDWARE

MADE WITH 3/8" HIGH STRENGTH STEEL THEN HOT DIPPED GALVANIZED

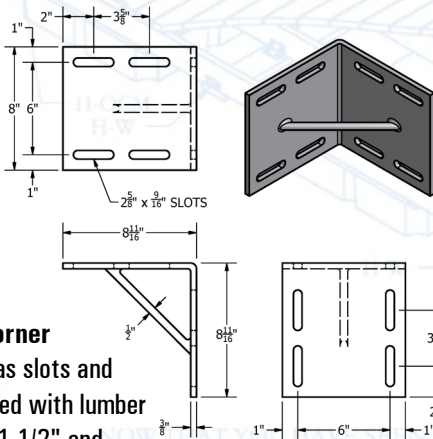
Mercob developed this 3/8" thick hardware for tough areas for wood dock. The hardware is 8" tall and uses 1/2" carriage bolts. Requires a minimum of 2" x 10" lumber and a maximum lumber thickness of 3-1/2". Use a B-HB15 bolt or a B-PIN3 (both on page 28) for pin connectors. All parts are hot dipped galvanized after fabrication. Note: Our Heavy Duty Hardware will not work with other hardware.



Outside Corner End (HD-OCE) is used at the ends of fingers, end of docks or for large platform corners. **HD-OCE Ship# 17**



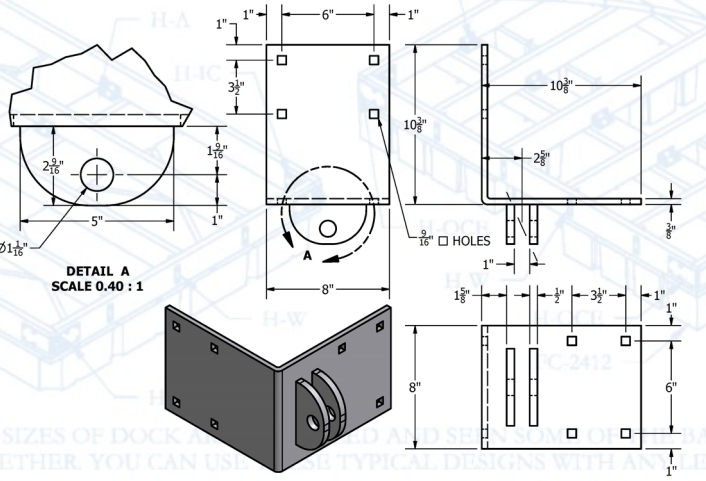
Outside Corner Male (HD-OCM) has one 1/2" tab with a pin size of 1". Use with an Outside Corner Female (HD-OCF) or with a Single "T" Female (HD-SF). **HD-OCM Ship# 19**



Inside Corner (HD-IC) has slots and can be used with lumber between 1-1/2" and 3-1/2". The inside corner sandwiches the wood between an outside corner and produces an extremely strong corner. The round corner gusset is stronger than a flat and helps the dock from racking. **HD-IC Ship# 16**

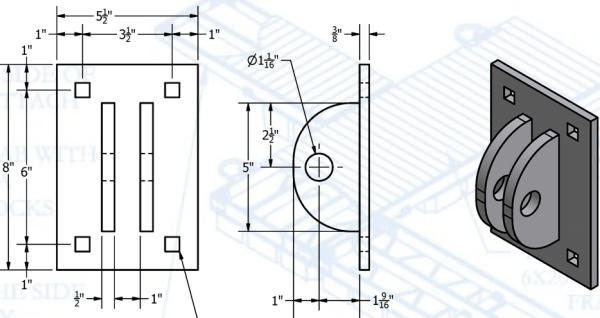
HARDWARE HEIGHT
8"

HARDWARE THICKNESS
3/8"

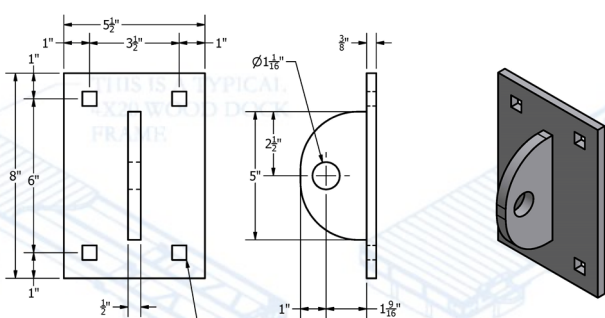


Outside Corner Female (HD-OCF) has two 1/2" tabs with a pin size of 1". Use with an Outside Corner Male (HD-OCM) or with a Single "T" Male (HD-SM). **HD-OCF Ship# 21**

HEAVY DUTY WOOD DOCK



Single "T" Female (HD-SF) has two 1/2" tabs and is used with (HD-OCM) or HD-SM. Both Single "T"s can be bolted to the side of a dock to make finger attachments. Use with a backup plate (HD-B). Bolt to seawalls to make ramps. **HD-SF Ship# 8**

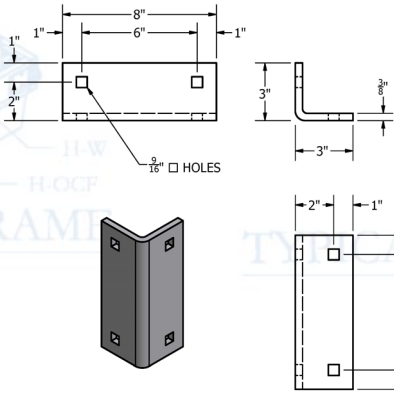


Single "T" Male (HD-SM) has one 1/2" tab and is used with (HD-OCF) or (HD-SF). Both Single "T"s can be bolted to the side of a dock to make finger attachments. Use with a backup plate (HD-B). **HD-SM Ship# 6**

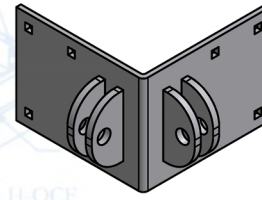


HEAVY DUTY WOOD DOCK HARDWARE

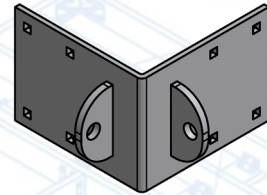
MADE WITH 3/8" HIGH STRENGTH STEEL THEN HOT DIPPED GALVANIZED



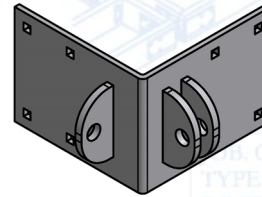
Angles (HD-A) are used to hold all cross stringers in place. Use a Washer Plate (HD-W) to sandwich the wood between the angles and washer plate.
HD-A Ship# 5



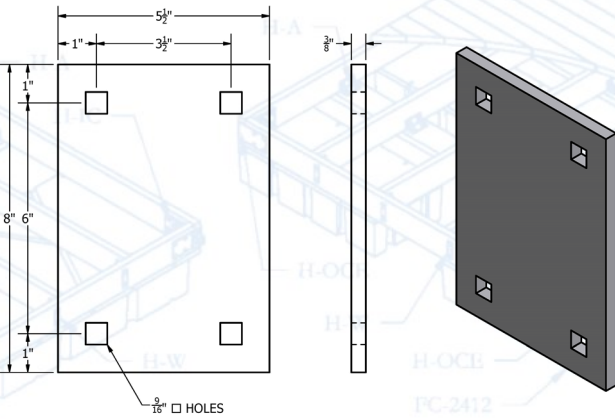
Female/Female Outside Corner
HD-OCFF Ship# 23



Male/Male Outside Corner
HD-OCMM Ship# 20



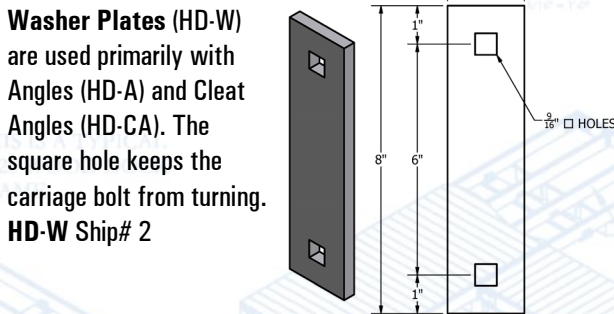
Male/Female Outside Corner
HD-OCMF Ship# 21



Backup Plate (HD-B) are used with Single "T"s to keep bolts from pulling through the wood.
HD-B Ship# 5

HARDWARE HEIGHT
8"

HARDWARE THICKNESS
3/8"

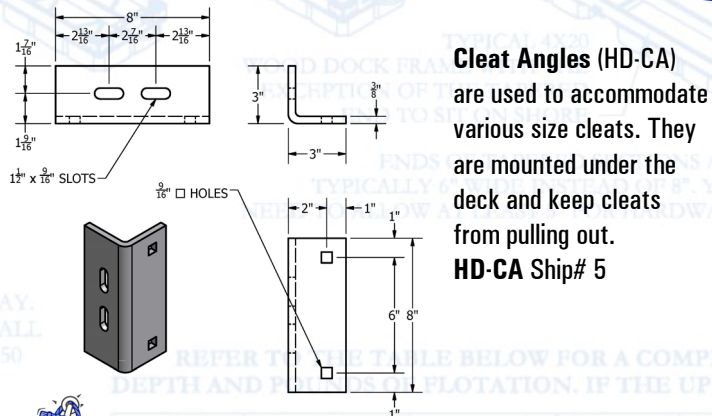
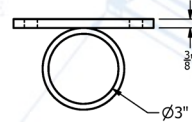


Washer Plates (HD-W) are used primarily with Angles (HD-A) and Cleat Angles (HD-CA). The square hole keeps the carriage bolt from turning.
HD-W Ship# 2

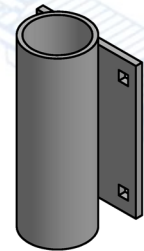
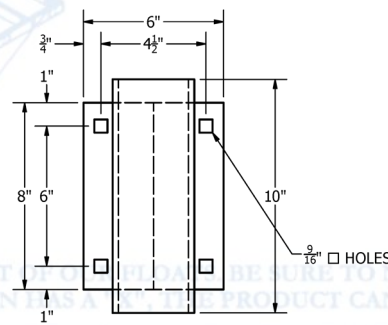
This heavy duty 3" pipe holder (HD-P3) bolts to the side of a dock using four 1/2" carriage bolts. Backed by 2 heavy duty washer plates (HD-W). Can use 2" pipe to hold a dock in place.

HD-P3 Ship# 12

Fasteners
Page 28



Cleat Angles (HD-CA) are used to accommodate various size cleats. They are mounted under the deck and keep cleats from pulling out.
HD-CA Ship# 5

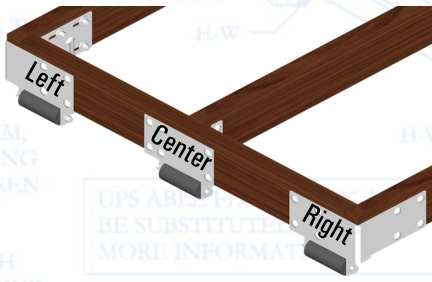


HEAVY DUTY WOOD DOCK

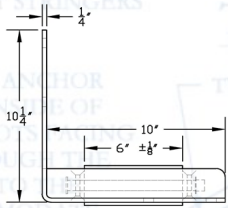
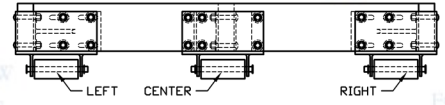
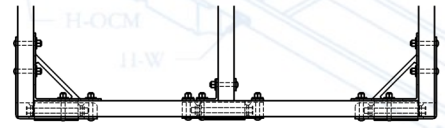
RAMP HARDWARE

RAMP HARDWARE

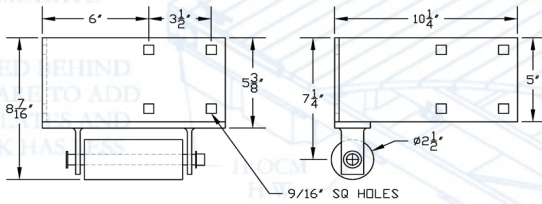
Build a ramp using our ramp kit. Wider ramps can be built by buying additional center roller sections. Merco offers both regular 1/4" hardware and 3/16" homeowners. For ramps longer than 10', use 1/4" hardware. Use center roller every 2'. Extra holes in center allows use of an angle for the adjacent stringer. Rollers are made with UHMW for long wear. Use 1/2" carriage bolts on 1/4" hardware and 3/8" carriage bolts on 3/16" hardware - hot dipped galvanized.



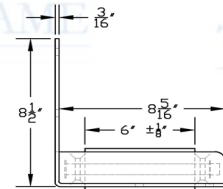
See replacement parts and UHMW (H-RU) roller on page 19 under "Roller Assembly."



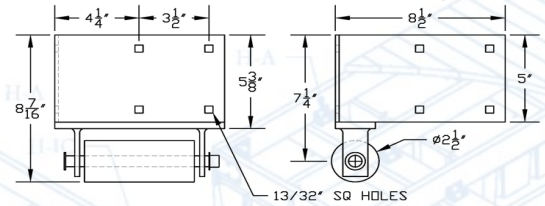
H-RAMPL
1/4" Standard
Ship# 11



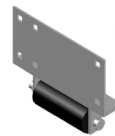
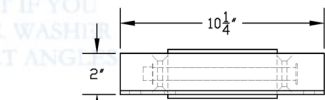
USE BOLT SIZE
1/2"



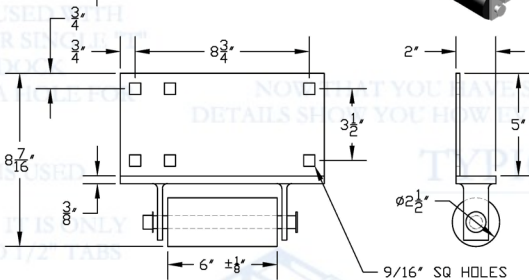
HL-RAMPL
3/16" Light
Ship# 9



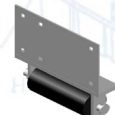
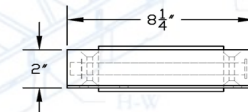
USE BOLT SIZE
3/8"



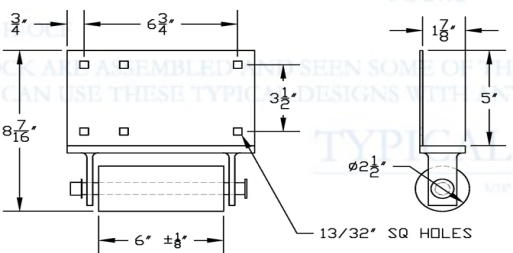
H-RAMPC
1/4" Standard
Ship# 8



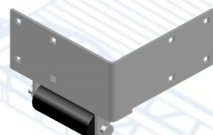
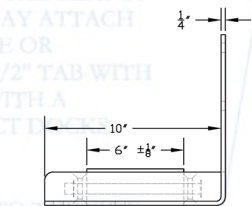
HARDWARE THICKNESS
1/4"



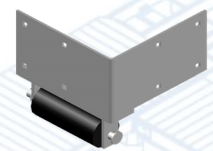
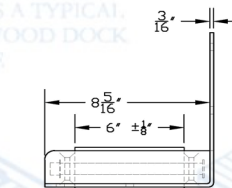
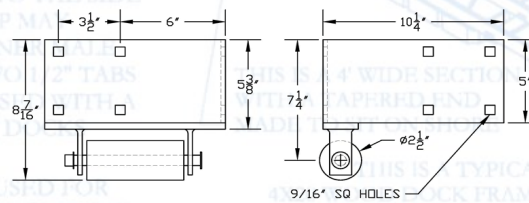
HL-RAMPC
3/16" Light
Ship# 6



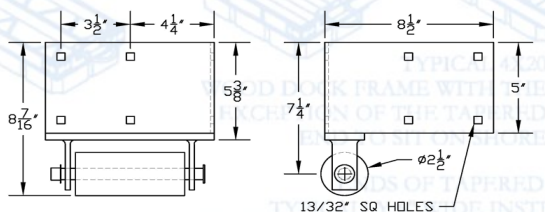
HARDWARE THICKNESS
3/16"



H-RAMPR
1/4" Standard
Ship# 11



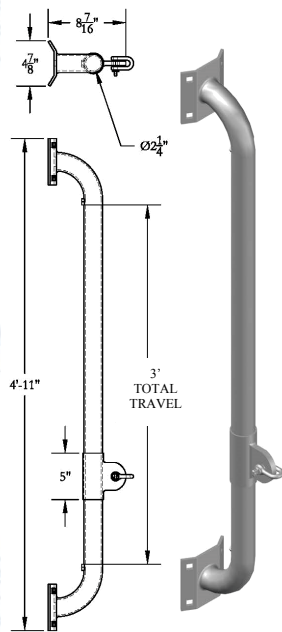
HL-RAMPR
3/16" Light
Ship# 9



TIDE RISER™

Merco's Tide Riser is hot dipped galvanized and made from 1-1/2" pipe with two 1/4" x 5" x 5" flanges to bolt to the wooden pile. The riser will travel approximately 3' and has a 1/2" tab welded to the sliding sleeve. Includes a clevis for easy attachment to the rope.

H-TR Ship# 18



GRAB HANDLES

Merco carries several types of grab handles. The H-DGH and H-GH and are made of galvanized steel. The AH-BH is aluminum.

H-GH Ship# 16

H-DGH Ship# 17

AH-BH Ship# 6

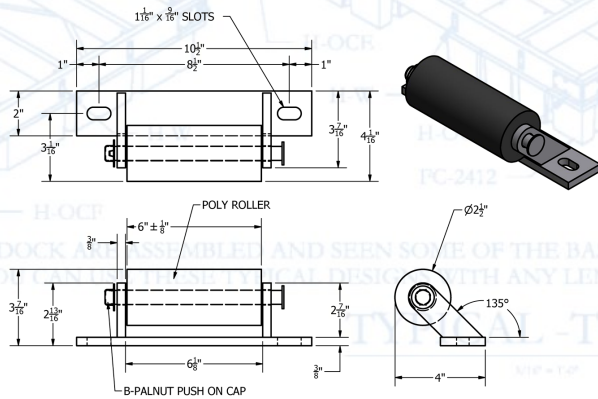


See more detail at www.mercomarine.com/Dock-Accessories/Grab-Handle

HANDLES AND ROLLERS

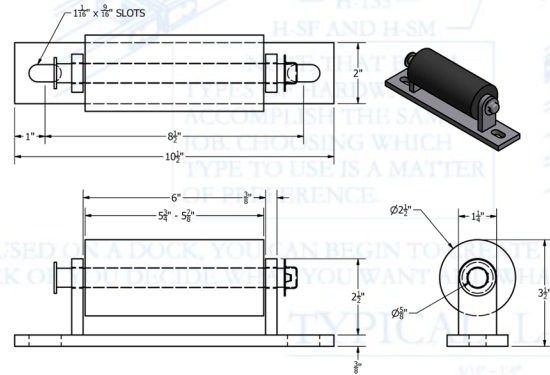
H-RA & H-RAU ROLLER ASSEMBLIES

H-RA4



The Roller Assembly on the left comes standard on most of our pile guides.

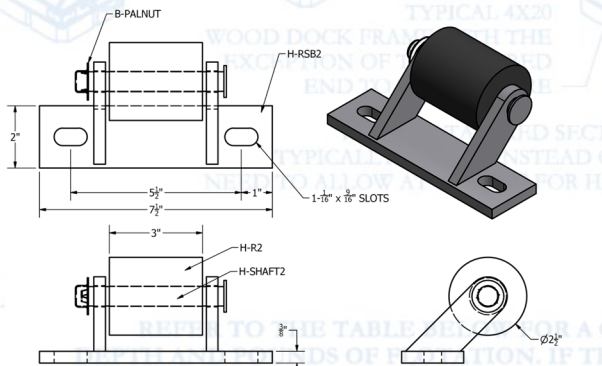
The Roller Assembly on the right comes standard with our adjustable pile guide on page 25.



Our roller assemblies can be used not only on pile guides but just about anywhere on your dock where you want something to roll, such as under ramps. Replace POLY roller with a UHMW (ultra high molecular weight) polyethylene black roller for tough areas. Should you need additional parts for any of our Roller Assemblies, see below.

H-RA2

The Roller assembly below is a shorter 3" version of our standard H-RA that is used on our smaller internal pile guides on page 20 (Internal pile guide sizes 5"-7").



ROLLER DIAMETER ON ALL OF OUR ROLLER ASSEMBLIES IS 2-1/2" PIN HOLE DIAMETER ON ALL ROLLERS IS 5/8"

Complete Assemblies

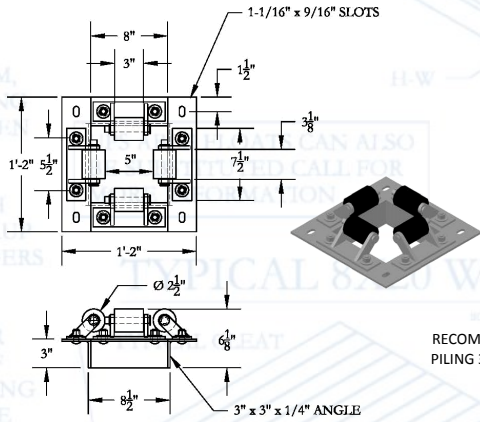
H-RA	6" Roller Assembly — POLY	Ship# 4
H-RAU	6" Roller Assembly—UHMW	Ship# 5
H-RA2	3" Roller Assembly—POLY	Ship# 3
H-RA4	6" Roller Assembly—FLAT— POLY	Ship# 4

Individual Parts that make up the Assemblies

H-R	6" POLY Roller	Ship# 1
H-RU	6" UHMW Roller	Ship# 1
H-R2	3" POLY Roller	Ship# 1
H-RSB	Galvanized Steel Bracket for H-RA	Ship# 3
H-RSB2	Galvanized Steel Bracket for H-RA2	Ship# 2
H-RSB4	Galvanized Steel Bracket for H-RA4	Ship# 3
H-SHAFT	Roller Assembly Shaft for ALL 6" Rollers	Ship# 1
H-SHAFT2	Roller Assembly Shaft for 3" Rollers	Ship# 1
B-PALNUT	"Hat" type cap retainer for ALL shafts	Ship# 1

SQUARE INTERNAL PILE GUIDES

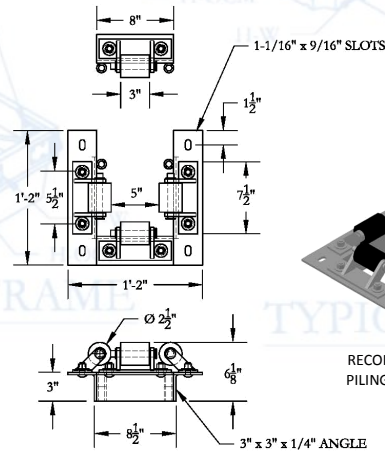
The internal square pile holders are made from 3" x 3" x 1/4" angle and have four poly rollers included. (UHMW - hard rollers available upon request at an additional charge.) The 5" and 7" sizes have 3" rollers and all the larger sizes have 6" rollers. The pile guide is hot dipped galvanized after fabrication. The "R" denotes one side removable. All of our internal pile guides come complete with all the necessary rollers and hardware preassembled. Should you need replacement parts see page 19.



HP-5IN Ship# 29

RECOMMENDED USE FOR PILING 3" IN DIA. OR LESS.

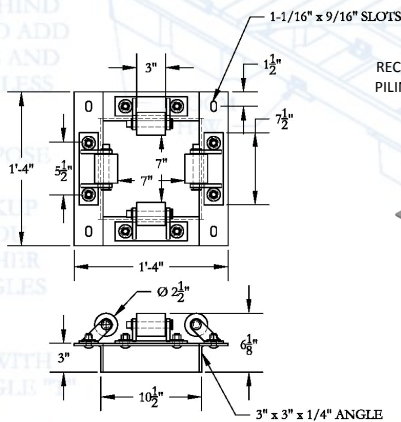
Replacement Roller Assembly Parts for 5"-7" see page 19. (H-RA2)



HP-5INR Ship# 31

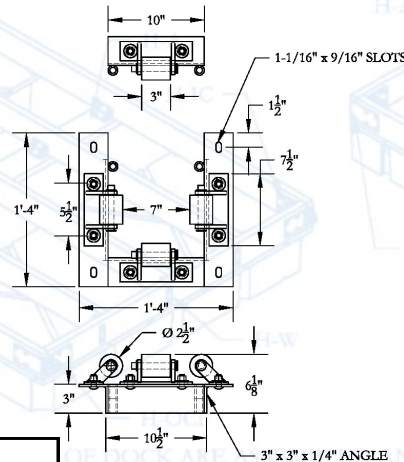
RECOMMENDED USE FOR PILING 3" IN DIA. OR LESS.

INTERNAL PILE GUIDES



HP-7IN Ship# 32

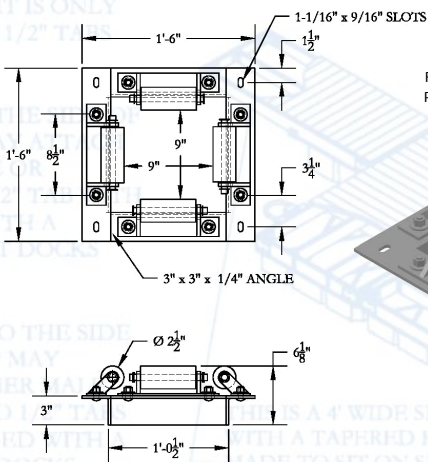
RECOMMENDED USE FOR PILING 5" IN DIA. OR LESS.



HP-7INR Ship# 34

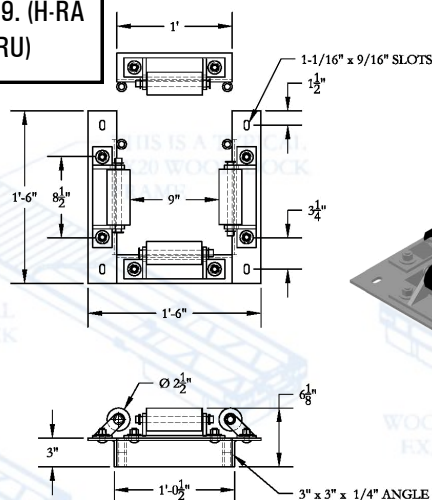
RECOMMENDED USE FOR PILING 5" IN DIA. OR LESS.

Replacement Roller Assembly Parts for 9" and larger hoops see page 19. (H-RA or H-RU)



HP-9IN Ship# 41

RECOMMENDED USE FOR PILING 7" IN DIA. OR LESS.



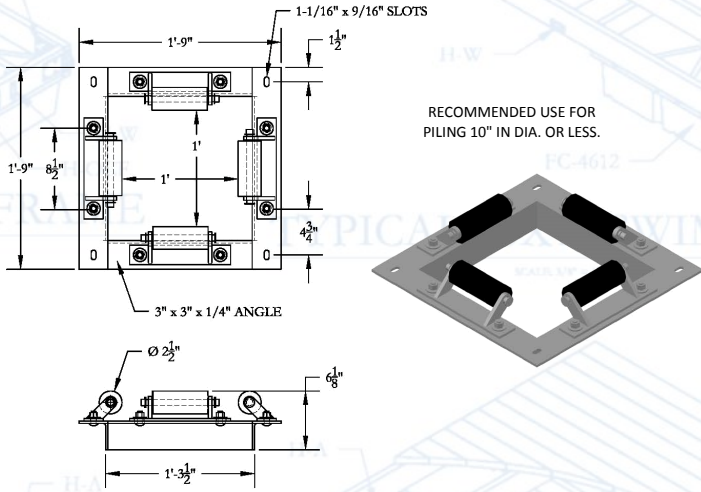
HP-9INR Ship# 43

RECOMMENDED USE FOR PILING 7" IN DIA. OR LESS.

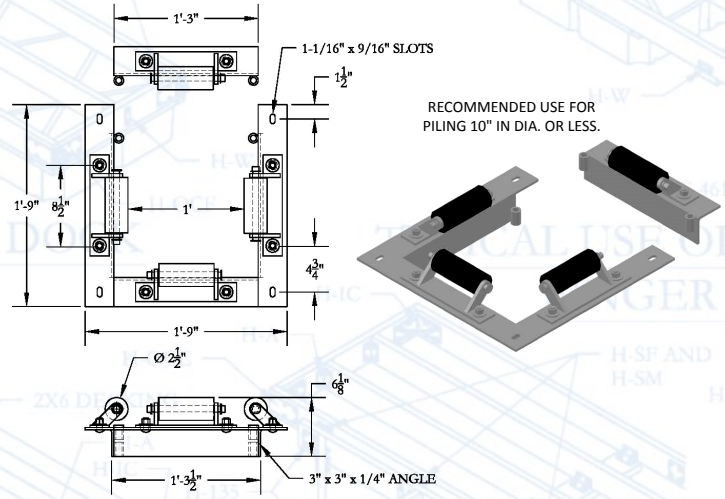


SQUARE INTERNAL PILE GUIDES

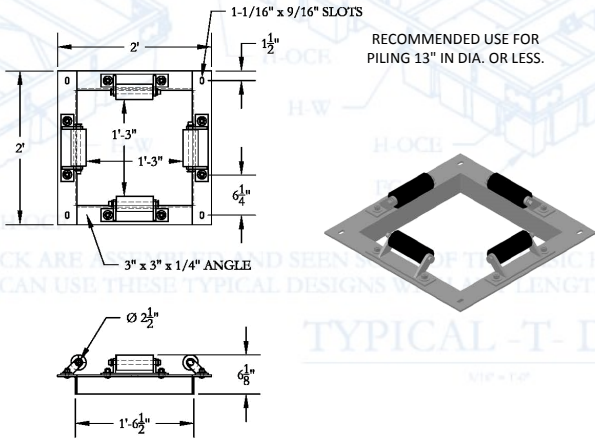
For replacement roller assembly or parts see page 19.



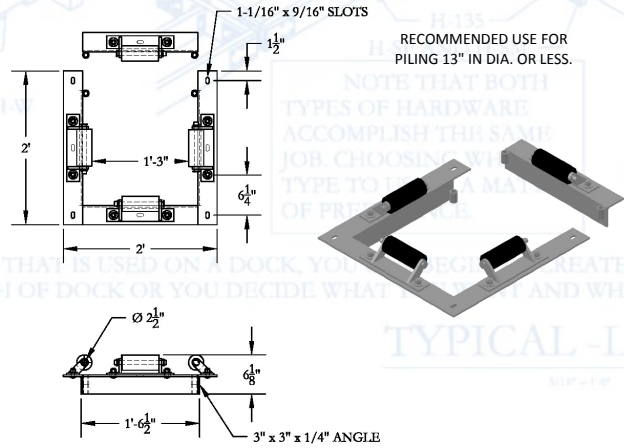
HP-12IN Ship# 42



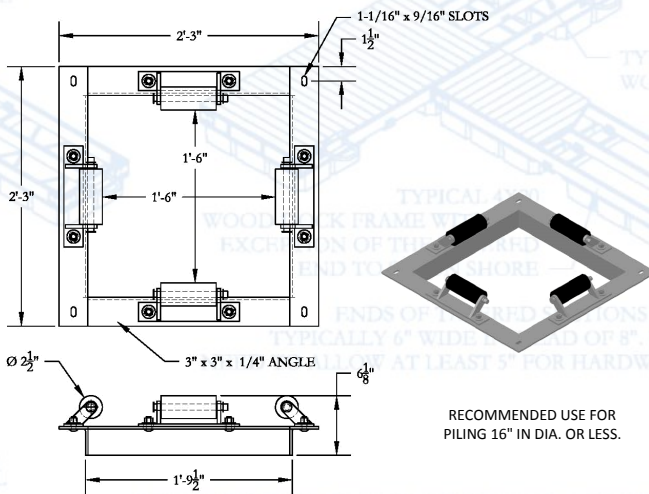
HP-12INR Ship# 43



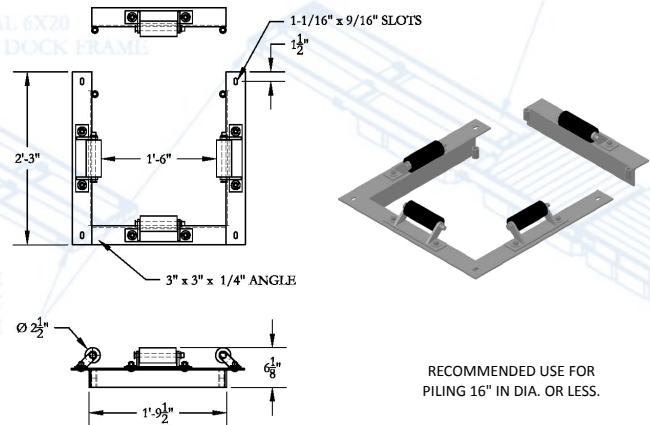
HP-15IN Ship# 53



HP-15INR Ship# 54



HP-18IN Ship# 58



HP-18INR Ship# 59

INTERNAL PILE GUIDES

HOOP PILE HOLDERS

Our convertible Hoop Pile Holders have 3 basic pieces, a deck plate, a hoop and a roller assembly. This allows you to have a hoop pile holder the way you want it, whether it be a permanent hoop, a removable hoop or a hoop with a roller. You can use the roller assembly on the deck plate or bolt it directly to the dock. All parts are hot dipped galvanized. Add a UHMW Roller to any assembly as shown at the bottom of page 19. All assemblies include a deck plate, hoop, roller assembly, and 6 carriage bolts. Fasteners required to bolt to your dock sold separately on page 28.

Assembly Number	Assembled Weight	Ø	L	L2	W	BH	BM	Hoop Number	Hoop Weight	Deck Plate Number	Deck Plate Weight
HP-H8R	25 lbs	8"	8 3/4"	10"	15 3/4"	9-3/4"	13 3/4"	HP-H8	8 lbs	HP-DP8	12 lbs
HP-H10R	28 lbs	10"	10 1/8"	11 3/8"	18 1/2"	12-1/2"	16 1/2"	HP-H10	8 lbs	HP-DP10	14 lbs
HP-H12R	30 lbs	12"	11 1/2"	12 3/4"	20 1/2"	14-1/2"	18 1/2"	HP-H12	10 lbs	HP-DP12	15 lbs
HP-H14R	32 lbs	14"	13 1/2"	14 3/4"	22 1/2"	16-1/2"	20 1/2"	HP-H14	10 lbs	HP-DP14	16 lbs
HP-H16R	35 lbs	16"	15 3/4"	17"	24"	18-1/2"	22"	HP-H16	12 lbs	HP-DP16	18 lbs
HP-H18R	37 lbs	18"	17 1/4"	18 1/2"	26"	20-1/2"	24"	HP-H18	13 lbs	HP-DP18	19 lbs
HP-H20R	38 lbs	20"	19 5/8"	20 7/8"	27 1/4"	21-7/8"	25 1/4"	HP-H20	13 lbs	HP-DP20	20 lbs

NOTES: ALL DIMENSIONS NOMINAL. DIAMETER TOLERANCE IS +/- 1/4". Ø = DIAMETER



HP-H8R



HP-H10R



HP-H12R



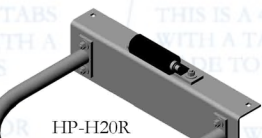
HP-H14R



HP-H16R



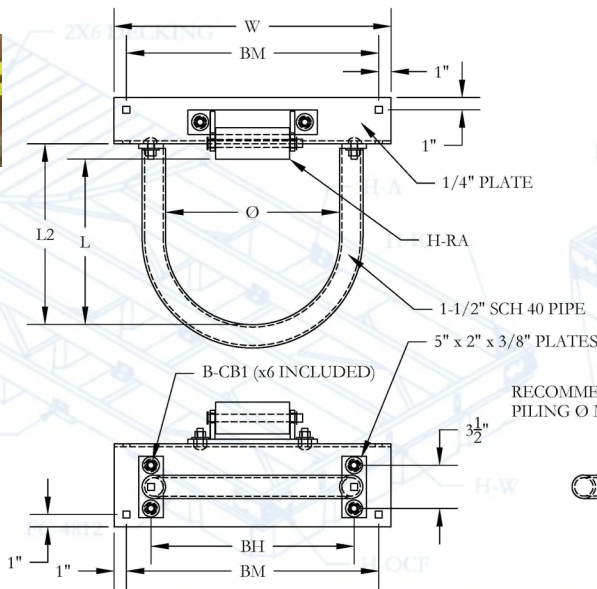
HP-H18R



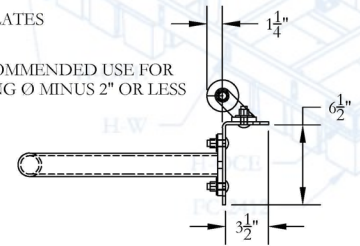
HP-H20R

Circumference	Ø
9.42	3"
12.56	4"
15.7	5"
18.84	6"
21.98	7"
25.12	8"
28.26	9"
31.4	10"
34.54	11"
37.68	12"
40.82	13"
43.96	14"
47.1	15"
50.24	16"
53.38	17"
56.52	18"
59.66	19"
62.8	20"

Ø = DIAMETER



STRONGER DESIGN!



Our mounting plates are 5" x 2" x 3/8" which are welded to the hoop and are used to mount the hoop to the deck plate. Our mounting plates are 33% thicker and 25% wider than most other hoop mounting plates on the market.

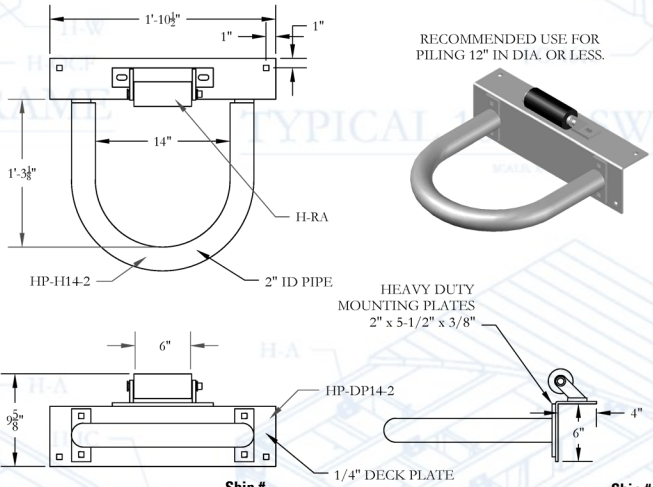
An easy way to determine the diameter of your existing pipe or piling is to measure the circumference and divide by 3.14. We've done the math for you with our Circumference chart to the left.

Assembled Part Number	Hoop Number	Deck Plate Number
HP-H8R	HP-H8	HP-DP8
HP-H10R	HP-H10	HP-DP10
HP-H12R	HP-H12	HP-DP12
HP-H14R	HP-H14	HP-DP14
HP-H16R	HP-H16	HP-DP16
HP-H18R	HP-H18	HP-DP18
HP-H20R	HP-H20	HP-DP20

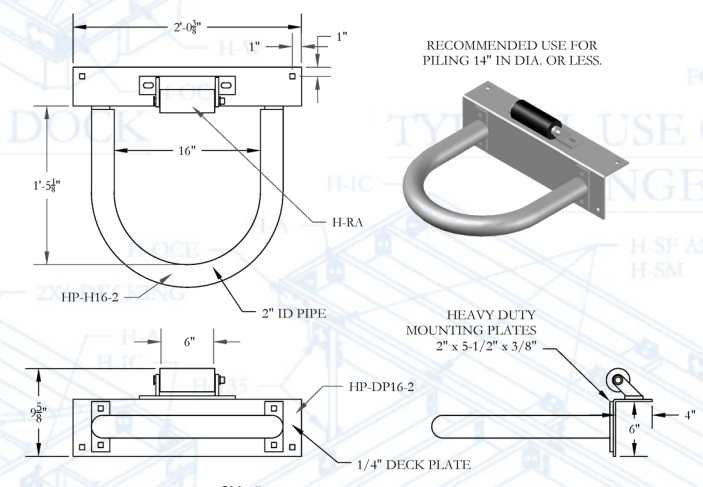


HEAVY HOOP PILE HOLDERS

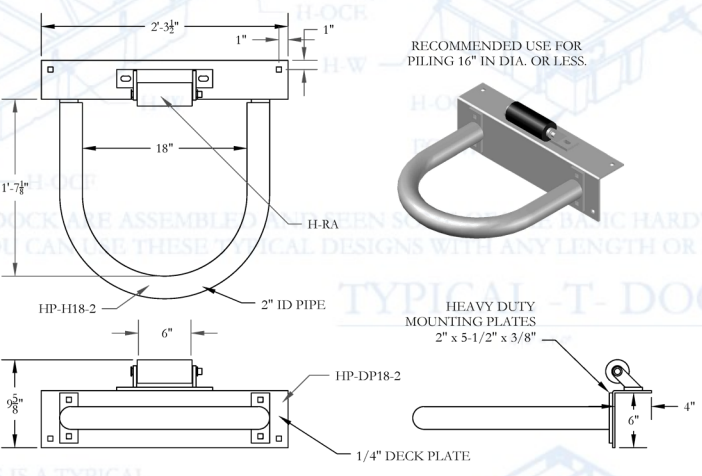
Our convertible Hoop Pile Holders have 3 basic pieces, a dock bracket, a hoop and a roller assembly. This allows you to have a hoop pile holder the way you want it, whether it be a permanent hoop, a removable hoop or a hoop with a roller. All hoops on this page are 2" schedule 40 pipe. The dock brackets are 4" x 6" x 1/4" angle. The roller assembly features a 6" solid poly roller and can be bolted to the deck plate or directly to the dock. All parts are hot dipped galvanized. Add a UHMW Roller to any assembly as shown at the bottom of page 19.



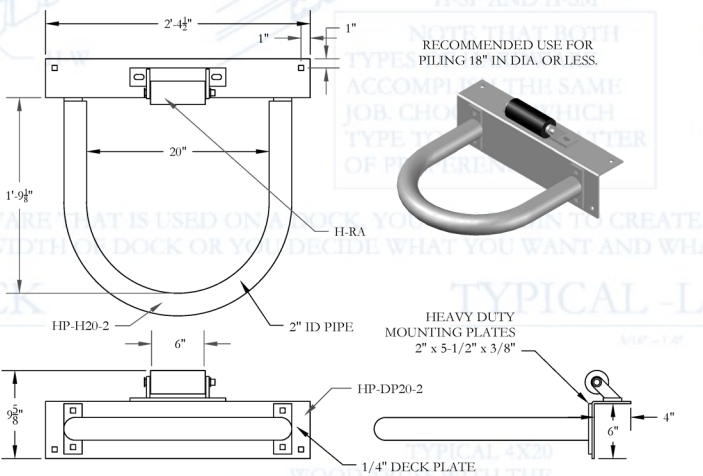
HP-H14-2	14" Hoop (2")	Ship # 14	H-RA	Roller Assembly	Ship # 5
HP-DP14-2	Deck Plate	16	HP-H14R-2	Assembly Complete	36



HP-H16-2	16" Hoop (2")	Ship # 15	H-RA	Roller Assembly	Ship # 5
HP-DP16-2	Deck Plate	18	HP-H16R-2	Assembly Complete	39



HP-H18-2	18" Hoop (2")	Ship # 16	H-RA	Roller Assembly	Ship # 5
HP-DP18-2	Deck Plate	19	HP-H18R-2	Assembly Complete	41

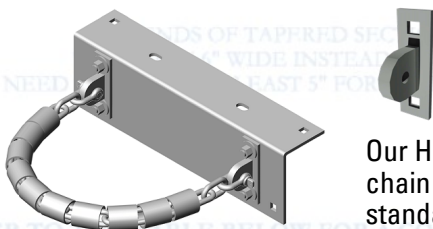


HP-H20-2	20" Hoop (2")	Ship # 18	H-RA	Roller Assembly	Ship # 5
HP-DP20-2	Deck Plate	20	HP-H20R-2	Assembly Complete	44

STANDARD CHAIN PILE GUIDES LIGHT

Our standard chain pile guides come with a deck plate as on page 22 plus 3/8" hot dipped galvanized chain, clevis and 2" sch. 40 pipe rollers over the chain. Hot dipped galvanized. See page 19 to add a roller assembly.

HP-DP8C	Ship # 21
HP-DP10C	24
HP-DP12C	27
HP-DP14C	30
HP-DP16C	33
HP-DP18C	35



HP-DPTC
Ship # 1

Our HP-DPTC is a single chain tab which comes standard with our chain pile guide assemblies.

Our L (light) series chain pile guides include everything as our standard chain pile guides except a lighter 1/4" chain, and 1-1/2" sch. 40 pipe rollers. See page 19 to add a roller assembly.

SPECS (light & standard)		
Size	Roller QTY	Chain Links
8"	8	18
10"	10	21
12"	12	25
14"	14	29
16"	16	33
18"	18	37

HP-DP8CL	Ship # 17
HP-DP10CL	Ship # 20
HP-DP12CL	Ship # 22

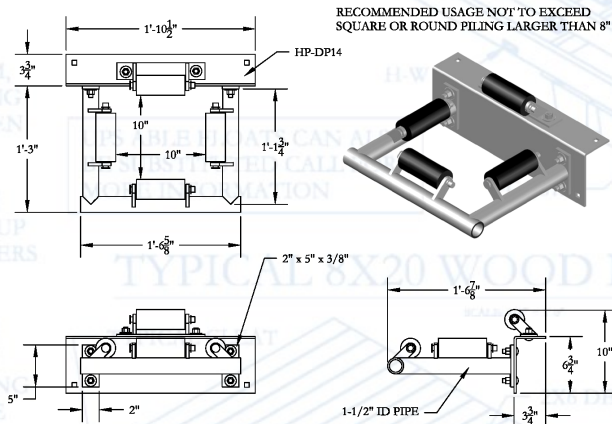
2" AND CHAIN PILE GUIDES

Image is HP-DP8C–HP-DP18C series.

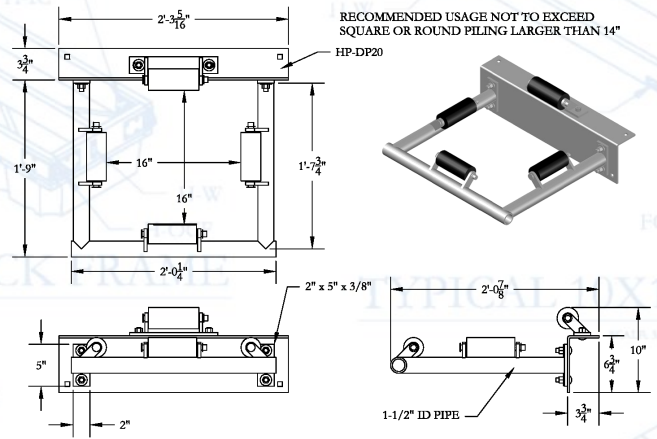
HEAVY DUTY!

SQUARE EXTERNAL PILE HOLDERS

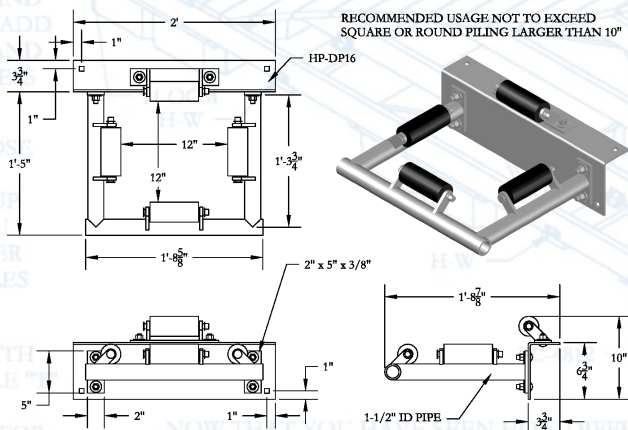
Merco Marine's heavy duty roller pile holders are made with 1-1/2" ID SCH 40 pipe and includes 4 - 6" rollers, deck plate and roller assembly. Merco offers custom sizes of these also - deck plates can be used on wood dock or truss frames. Add a UHMW Roller to any assembly as shown at the bottom of page 19.



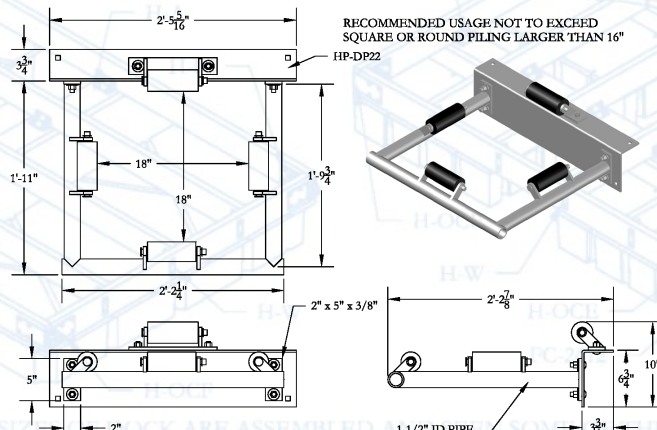
HP-10EX 10" Hoop Assembly Ship# 42



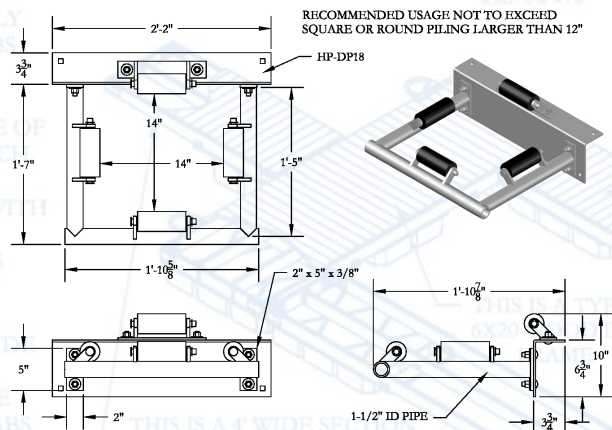
HP-16EX 16" Hoop Assembly Ship# 60



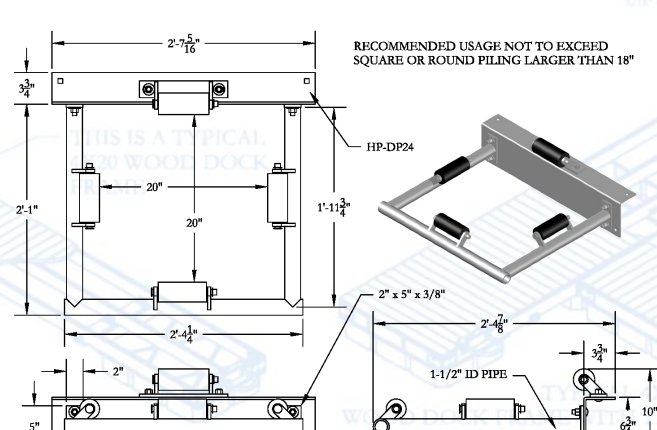
HP-12EX 12" Hoop Assembly Ship# 46



HP-18EX 18" Hoop Assembly Ship# 65



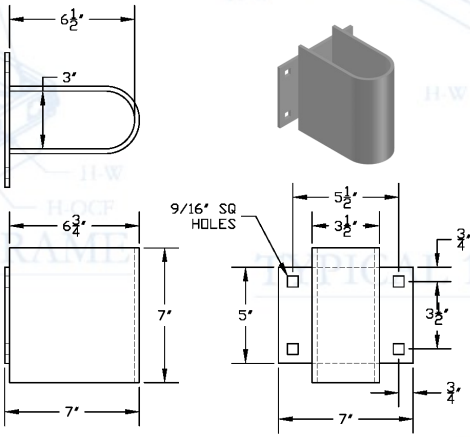
HP-14EX 14" Hoop Assembly Ship# 51



HP-20EX 20" Hoop Assembly Ship# 70

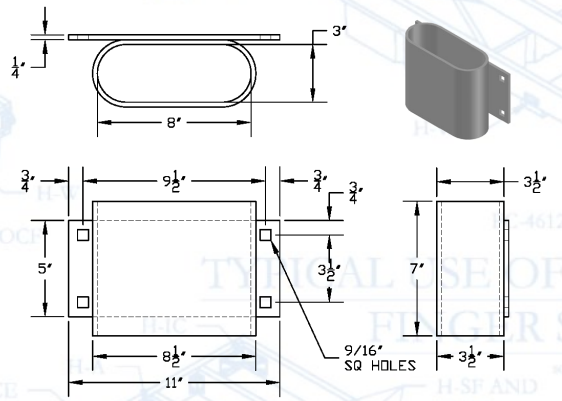


PIPE HOLDERS & PIPE GUIDES

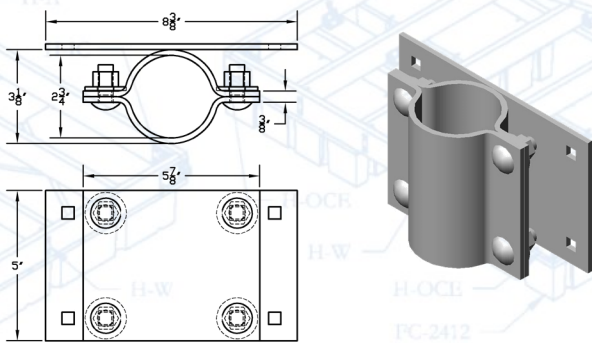


P-3EE End Mount Ship# 10

Merco's elongated pipe holders (P-3EE) are used with 2" pipe. When a dock is fixed to a wall and the water level rises and falls, it is necessary to have an elongated pipe holder. P-3ES is to mount on the side of a dock. P-3EE is for the end of a dock. Approx. 6" of movement.

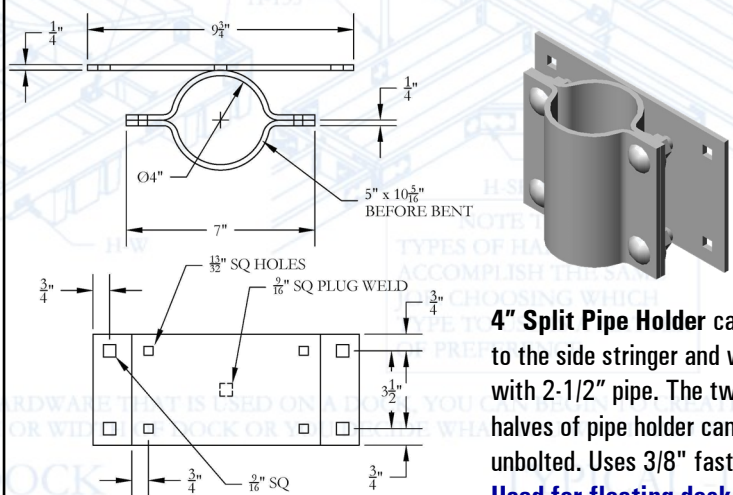


P-3ES Side Mount Ship# 13



3" Split Pipe Holder can bolt to the side stringer and works with 2" pipe. The two halves of pipe holder can be unbolted. Uses 3/8" fasteners. **Used for floating dock.**

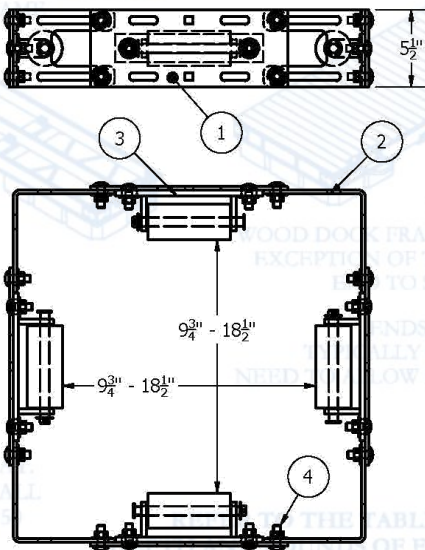
P-3S Ship# 8



P-4S Ship# 10

4" Split Pipe Holder can bolt to the side stringer and works with 2-1/2" pipe. The two halves of pipe holder can be unbolted. Uses 3/8" fasteners. **Used for floating dock.**

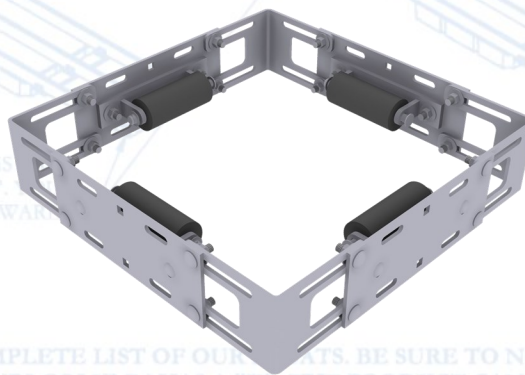
ADJUSTABLE INTERNAL PILE GUIDE US PATENT 9487925



PARTS LIST		
ITEM	QTY	PART NUMBER
1	4	HP-INADJ-P
2	4	HP-INADJ-A
3	4	H-RA4
4	24	B-CB1

Our **Adjustable Internal Pile Guide** was designed to be used with our wood dock systems where you need to have a piling mounted internally within the dock system. This pile guide can expand or contract from 9-3/4" to 18-1/2" to cover a wide range of pile shapes, sizes, and materials. This gives you the

ability to fine tune your internal pile guides to the exact size you need. This unit can even be used in areas where you may need a rectangular pile holder because it doesn't need to be set to an even square. The roller assembly that it uses is our H-RA4 flat style roller assembly.



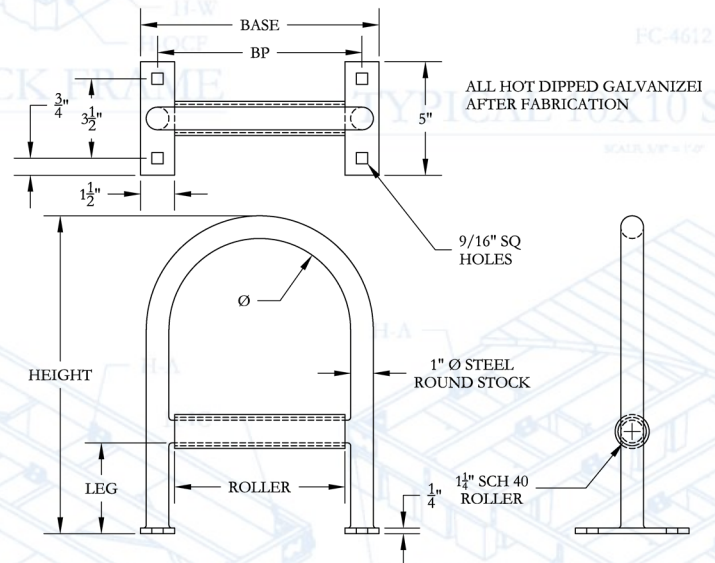
HP-INADJ Adjustable Pile Guide Assembly Ship# 68



1" BAR HOOP PILE HOLDERS

Merco's Bar Hoops are made from solid 1" round. Sizes – 6" - 8" - 11" - 12" and 14". They have a pipe roller that works really well and are hot dipped galvanized. Each size comes with no extension, 4" extension beyond the roller, and a 10" extension (for those misplaced piles). Bolt to your dock with 1/2" carriage bolts. Use 2 H-W washer plates (page 9) per hoop to reinforce the hoop attachment behind your dock's frame.

**DESIGNED FOR FLOATING DOCK • CAN BE USED WITH STEEL, WOOD, OR PVC PILING
WORKS WITH PILE OUTSIDE DIAMETER BETWEEN 4" - 12" • FOR LARGER PILE GUIDES SEE PAGES 22-24**



1" BAR PILE HOLDERS

**MANUFACTURED OUT OF SOLID 1" DIAMETER STEEL • HOT DIPPED GALVANIZED AFTER FABRICATION
16 DIFFERENT MODELS AND 5 DIFFERENT DIAMETERS • INCLUDES 1-1/4" STEEL ROLLER**

Assembly Number	Assembled Weight	DIAMETER	HEIGHT	LEG	BASE	BP	ROLLER
HP-BR6	10 lbs	6"	10-3/8"	1-3/4"	8-3/4"	7-1/4"	5-3/4"
HP-BR64	12 lbs	6"	1' 1"	4-1/4"	8-3/4"	7-1/4"	5-3/4"
HP-BR610	15 lbs	6"	1' 7"	10-1/4"	8-3/4"	7-1/4"	5-3/4"
HP-BR8	11 lbs	8"	12-1/2"	1-3/4"	10-1/2"	9"	7-1/4"
HP-BR84	13 lbs	8"	1' 3"	4-1/4"	10-1/2"	9"	7-1/4"
HP-BR810	16 lbs	8"	1' 9"	10-1/4"	10-1/2"	9"	7-1/4"
HP-BR11	12 lbs	11"	1' 3-1/4"	1-3/4"	1' 1-1/2"	12"	10-1/4"
HP-BR114	14 lbs	11"	1' 6"	4-1/4"	1' 1-1/2"	12"	10-1/4"
HP-BR1110	17 lbs	11"	2'	10-1/4"	1' 1-1/2"	12"	10-1/4"
HP-BR1122	25 lbs	11"	3'	1' 10-1/4"	1' 1-1/2"	12"	10-1/4"
HP-BR12	14 lbs	12"	1' 4-1/2"	1-3/4"	1' 2"	12-1/2"	11-1/4"
HP-BR124	16 lbs	12"	1' 7"	4-1/4"	1' 2"	12-1/2"	11-1/4"
HP-BR1210	19 lbs	12"	1' 11-1/4"	10-1/4"	1' 2"	12-1/2"	11-1/4"
HP-BR14	16 lbs	14"	1' 6"	1-3/4"	1' 4-1/2"	1' 3"	1' 1-1/4"
HP-BR144	18 lbs	14"	1' 8-1/2"	4-1/4"	1' 4-1/2"	1' 3"	1' 1-1/4"
HP-BR1410	21 lbs	14"	2' 2-1/2"	10-1/4"	1' 4-1/2"	1' 3"	1' 1-1/4"

NOTES: ALL DIMENSIONS NOMINAL. DIAMETER TOLERANCE IS +/- 1/4"



1" BAR PILE HOLDER - NO ROLLER

These bar hoops are made from the same material as our solid 1" round bar hoops on page 26 to the left with two functional differences. They don't have a roller and in place of the roller they have a large flat wear surface made of 3/8" thick steel. Just like many of our other products these are all hot dipped galvanized and fastened with 1/2" carriage bolts.

HOW TO DETERMINE YOUR PILING DIAMETER

1. Measure the circumference of your piling. Our example below shows 30".



2. Take your measurement and divide by 3.14 ($30 \div 3.14 = 9.554$)
3. Now you know the diameter of a piling with a 30" circumference is 9.554".

Why would you want to do this?

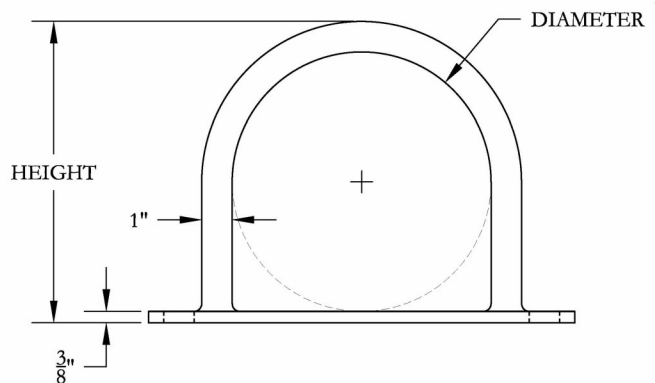
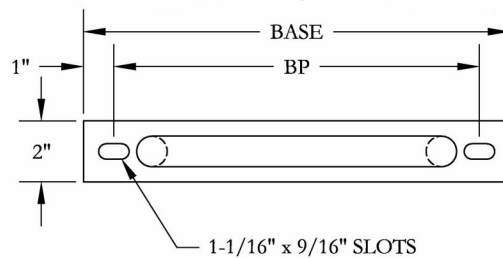
Sometimes piling are up high or out of distance to see and measure the top. This trick lets you stay off a ladder or even take quick measurements from watercraft.

Use the following chart to determine approximate diameters:

Circumference	Diameter
9.42	3"
12.56	4"
15.7	5"
18.84	6"
21.98	7"
25.12	8"
28.26	9"
31.4	10"
34.54	11"
37.68	12"
40.82	13"
43.96	14"
47.1	15"
50.24	16"



SOLID 1" STEEL GALVANIZED BAR WITH 2" X 3/8" FLAT BAR MOUNTING PLATES



Assembly Number	Assembled Weight	DIAMETER	HEIGHT	BP	BASE
HP-BP5	6 lbs	5"	7-1/2"	9"	11-1/4"
HP-BP6	7 lbs	6"	9"	10"	1'
HP-BP8	9 lbs	8"	10"	1'	1' 2"
HP-BP10	11 lbs	11"	11-3/4"	1' 3"	1' 5"

NOTES: ALL DIMENSIONS NOMINAL. DIAMETER TOLERANCE IS +/- 1/4"

1" BAR PILE HOLDERS



FASTENERS

Most of our fasteners are large and hard to find hot-dipped galvanized and extremely heavy duty and made for outdoor use.

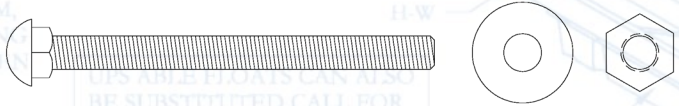
* Indicates standard use in our dock systems and accessories

All of our fasteners are available online at www.mercoboatdocks.com/Dock-Hardware/Fasteners

Carriage Bolt Sets

- B-CB1 1/2" x 1-1/2" Carriage Bolt Set
- B-CB3 1/2" x 3" Carriage Bolt Set
- B-CB4 1/2" x 4" Carriage Bolt Set
- B-CB5 1/2" x 5" Carriage Bolt Set
- B-CB6 1/2" x 6" Carriage Bolt Set
- B-CB7 1/2" x 7" Carriage Bolt Set
- B-CB10 1/2" x 10" Carriage Bolt Set
- B-CB381 3/8" x 1" Carriage Bolt Set
- B-CB385 3/8" x 1-1/2" Carriage Bolt Set
- B-CB2 3/8" x 2-1/2" Carriage Bolt Set
- B-CB9 3/8" x 3" Carriage Bolt Set
- B-CB8 3/8" x 4" Carriage Bolt Set

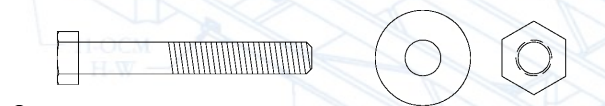
*Truss Frame Hardware
*Wood Dock Hardware



Hex Bolt Sets

- B-HB1 1/2" x 1-1/2" Hex Head Bolt Set
- B-HB4 3/8" x 4" Hex Head Bolt Set
- B-HB538 3/8" x 5" Hex Head Bolt Set
- B-HB6 3/8" x 6" Hex Head Bolt Set
- B-HB5516 5/16" x 5" Hex Head Bolt Set

*Truss Section Assembly

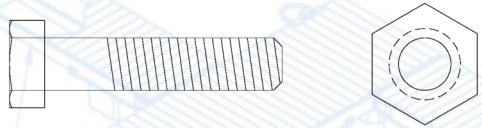


- B-HB2 3/8" x 2-1/2" Hex Bolt Set
- B-HB33 3/8" x 3" Hex Bolt Set

*Truss Cellofoam Float Attachment
*Truss Eagle Float Attachment



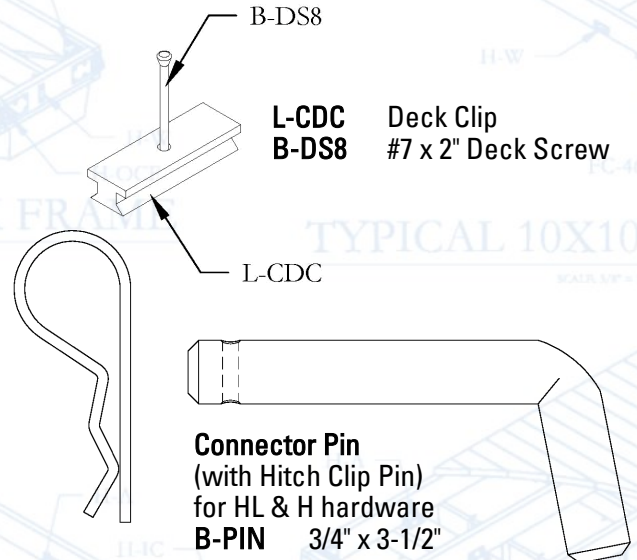
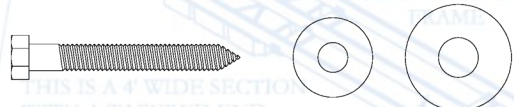
- ## Hex Bolt Sets (bolt, nylon lock nut)
- B-HB3 3/4" x 3-1/2" Hex Bolt Set
 - B-HB15 1" x 3-1/2" Hex Bolt Set



Lag Bolt Sets

- B-L25 3/8" x 2-1/2" Lag Bolt Set
- B-L3 3/8" x 3" Lag Bolt Set
- B-L4 3/8" x 4" Lag Bolt Set
- B-L6 3/8" x 6" Lag Bolt Set

*Wood Dock Floats (Any brand)



- ## Self-Tapping Hex Head Screw
- B-ST5 1/4" x 2-1/2"

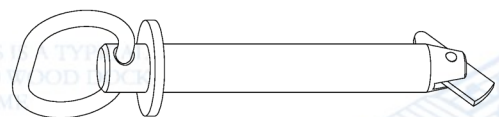


- B-RN Package of 25
- B-RRS1 Package of 25

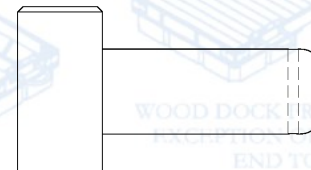


Stainless Rubrail Fasteners

- B-RN 1-1/2" Package of 25
 - B-RRS1 #8 X 1-1/4" Package of 25
- NAILS
SCREWS



- ## Tension Lock Pin for HL & H hardware
- B-PIN1 3/4" x 3-1/2"



- ## Connector Pin for HD Hardware
- B-PIN3 1" x 2-1/2" "T" Pin

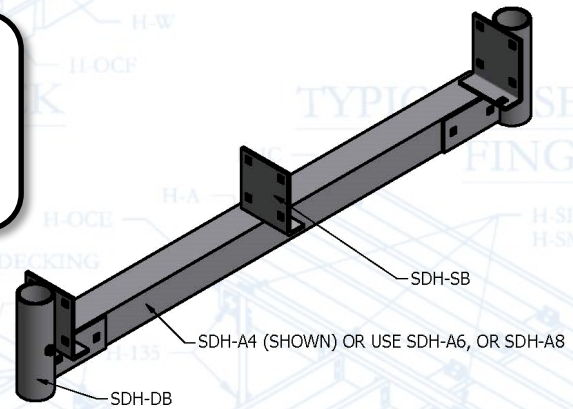
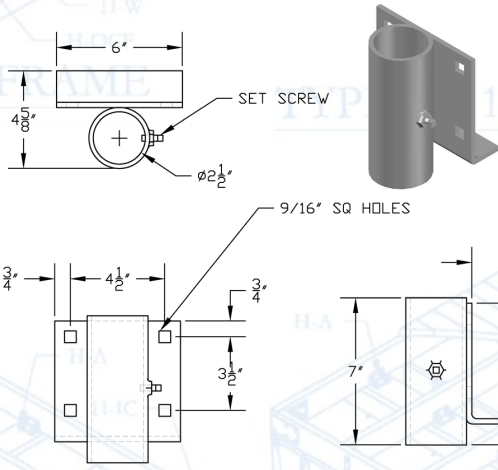
FASTENERS



HEAVY DUTY STATIONARY DOCK

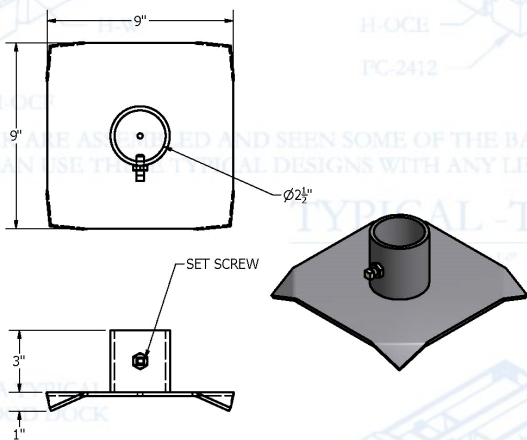
Mercos **heavy duty** stationary dock hardware uses 2" ID pipe. The end brackets (SDH-DB) are made from 1/4" steel and use 1/2" carriage bolts for the wood stringers. The dock works like our regular stationary except you purchase the 3" x 3" x 1/4" beam the length you need. Standard is 4' wide (SDH-A4), 6' wide (SDH-A6) and 8' wide (SDH-A8). Longer sizes are available special order. Purchase stringer brackets (SDH-SB) for every 2' of width. The brackets have a 3/8" set screw as well as a 9/16" hole if you want to drill the pipe and use a 1/2" bolt to insure the pipe doesn't slip. Use the B-CB3 1/2" x 3" Carriage bolt set (page 28) with any of the hardware shown on this page to attach 1-1/2" lumber.

All hardware on this page is intended to be used with 2" ID pipe



- SDH-DB** Stationary Dock Bracket Ship# 8
- SDH-SB** Stationary Stringer Bracket Ship# 2
- SDH-DB4** 4' with 2 - SDH-DB, 1 - SDH-SB, and 1 - SDH-A4 assembled Ship# 38
- SDH-DB6** 6' with 2 - SDH-DB, 2 - SDH-SB, and 1 - SDH-A6 assembled Ship# 46

This single pipe bracket can be used in corners or for handrail.
SD-DB2 2" ID pipe Ship# 8



Mud Pad (SD-MP2) is used with 2" pipe in rocky or hard bottoms 9" Square x 3/16" heavy duty. Hot dipped galvanized.
SD-MP2 Ship# 7



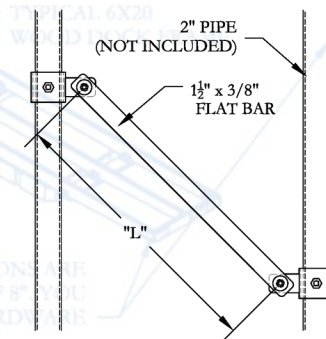
Mercos Safety Caps are a white vinyl and fit 2" ID pipe.
SC-W2 2" Pipe Ship# 1/2

Note: for the 1-1/2" ID pipe version
 See page 31



SD-A2 Auger Ship# 4

For best results we recommend drilling and pinning/bolting the auger after inserted into your 2" pipe.



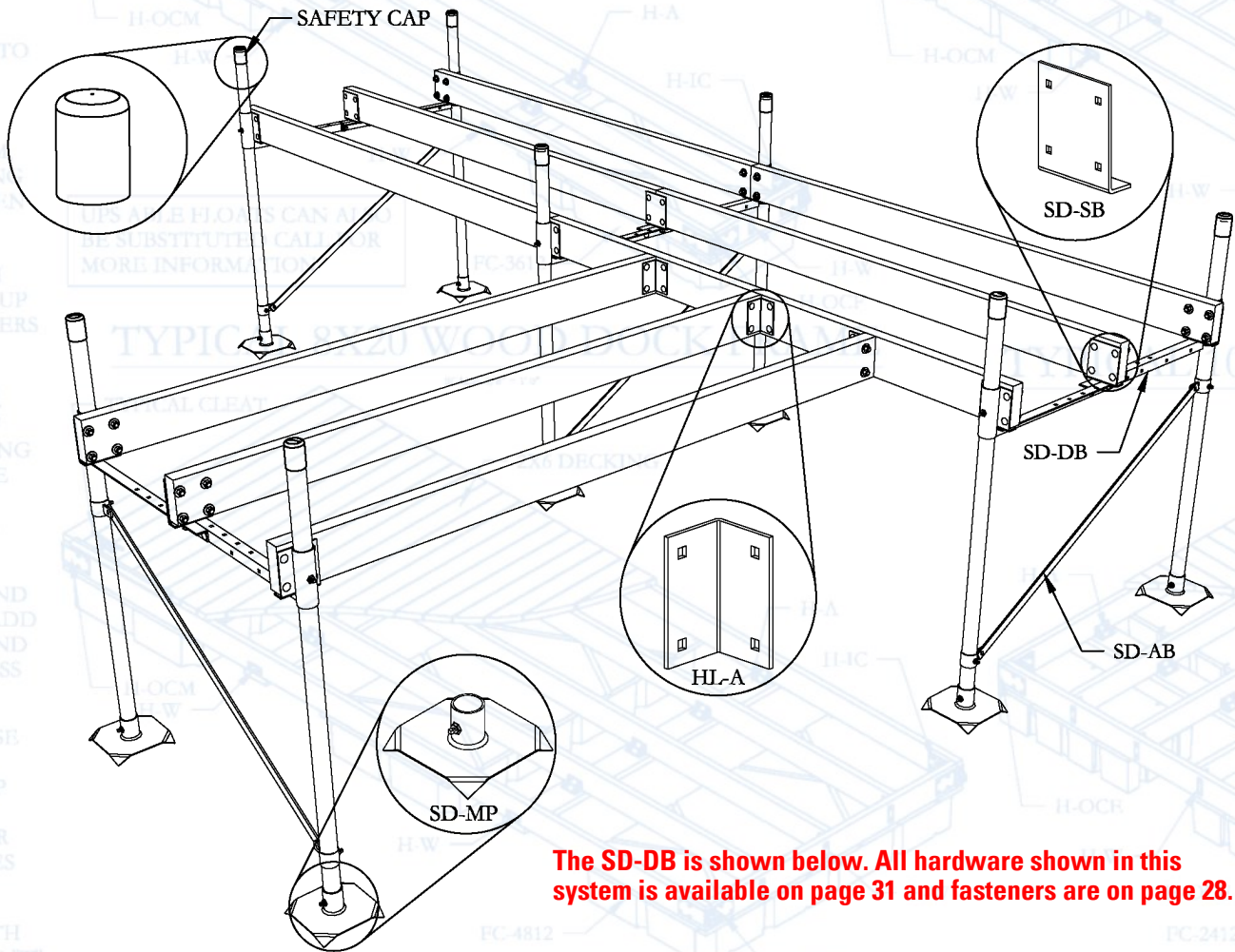
These angle braces slide over the pipe before installing the dock bracket. After the dock is in place tighten the set screws. Includes 2 end pipes, brace and bolts.

- 2" pipe
- SD-AB24** for 3' wide dock "L" Ship# 4 11 Ships via UPS/FedEx
- SD-AB25** for 4' wide dock "L" Ship# 5 13 Ships via UPS/FedEx
- SD-AB26** for 5' wide dock "L" Ship# 6 15 Ships via UPS/FedEx

STATIONARY DOCK

This example would use 4-SD-DB, 4-SD-SB, 3-HL-A, 8-SD-MP and 60-B-CB2 carriage bolts. You would need 9 wood stringers, 8-1-1/2" pipe and decking.

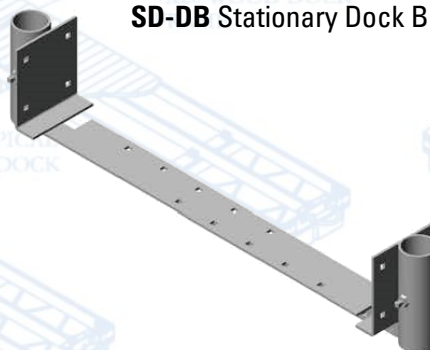
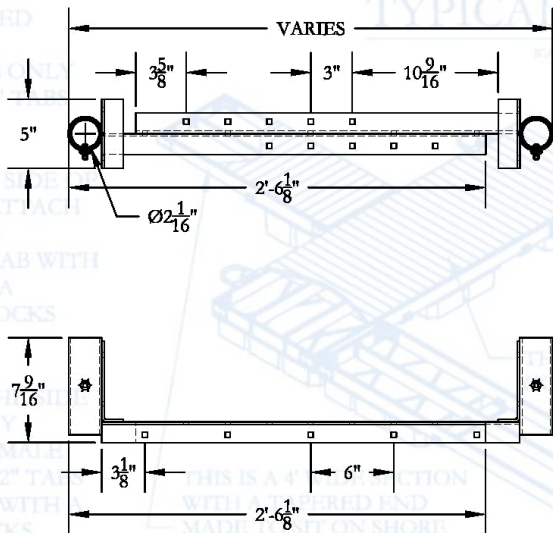
LIGHT STATIONARY



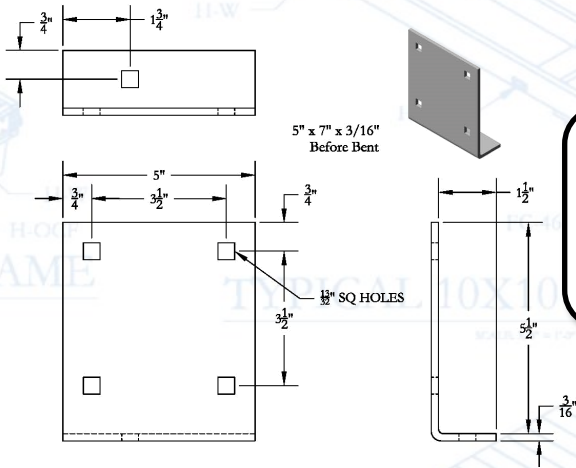
The SD-DB is shown below. All hardware shown in this system is available on page 31 and fasteners are on page 28.

Mercó's galvanized stationary dock brackets can be expanded to make 2-1/2', 3', 3-1/2' and 4' wide dock. The example used 4-SD-DB dock brackets, 4-SD-SB stringer brackets and 8-SD-MD mud pads. You would supply 2" x 6" or 2" x 8" side stringer lumber, decking and 1-1/2" pipe bought locally. Dock brackets come with hardware to bolt halves together and set screws. Use with 1-1/2" ID SCH 40 pipe. You supply the lumber.

SD-DB Stationary Dock Bracket Ship# 14



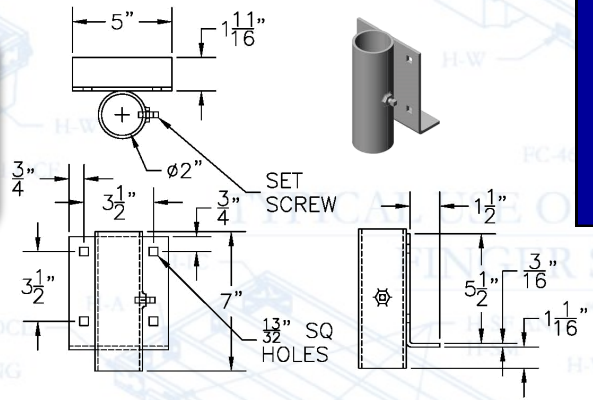
STATIONARY DOCK



Stringer Bracket (SD-SB) is used when decking span is too great and a center stringer is needed. Hot dipped galvanized.

SD-SB Stationary Stringer Bracket Ship# 1-1/2

All hardware on this page is intended to be used with 1-1/2" ID pipe



This single pipe bracket can be used in corners or for handrail.

SD-DB1 Ship# 6 for 1-1/2" ID pipe



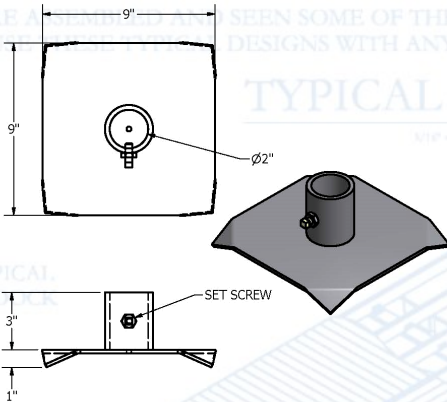
Auger is used with 1-1/2" pipe in softer bottoms or sand. Attach by slipping over your pipe and tighten the included set screw.

SD-A Auger Ship# 3

3/8" x 2-1/2" carriage bolt sets used to bolt side stringers to dock brackets.

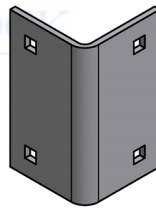


B-CB2 3/8" x 2-1/2" Carriage Bolt Set



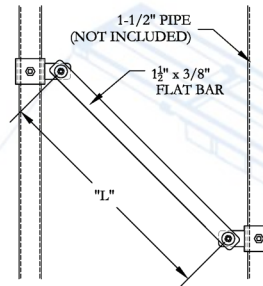
Mud Pad (SD-MP) is used with 1-1/2" pipe in rocky or hard bottoms. Heavy duty. Hot dipped galvanized.

SD-MP Stationary Mud Pad Ship# 6



Angle Bracket (HL-A) is used when making a T or L dock as pictured. Hot dipped galvanized.

HL-A Lightweight Angle Bracket Ship# 1-1/2



Mercos Safety Caps are a white vinyl and fit 1-1/2" ID pipe.

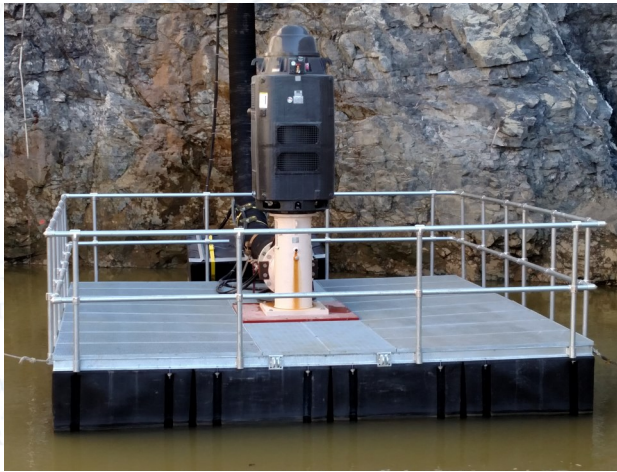
Ship#
SC-W150 1-1/2" Pipe 1/2

Note: for the 2" ID pipe version See page 29

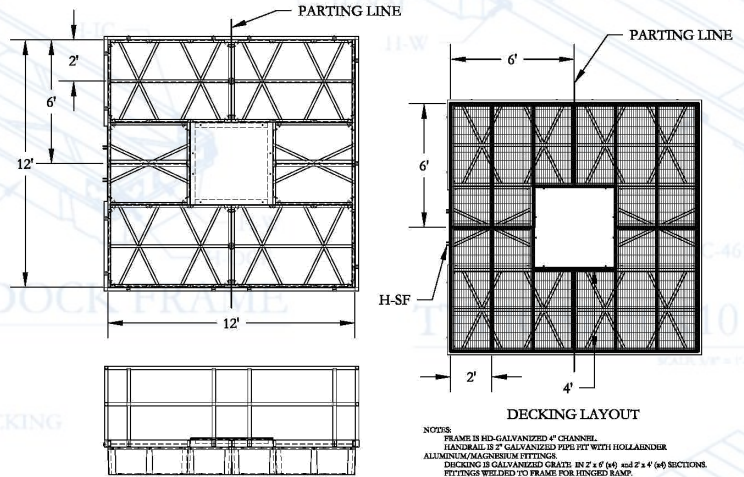
1-1/2" pipe	"L" Ship#	Ships via
SD-AB14 for 3' wide dock	4' 9	UPS/FedEx
SD-AB15 for 4' wide dock	5' 11	UPS/FedEx
SD-AB16 for 5' wide dock	6' 12	UPS/FedEx
SD-AB17 for 6' wide dock	7' 14	UPS/FedEx



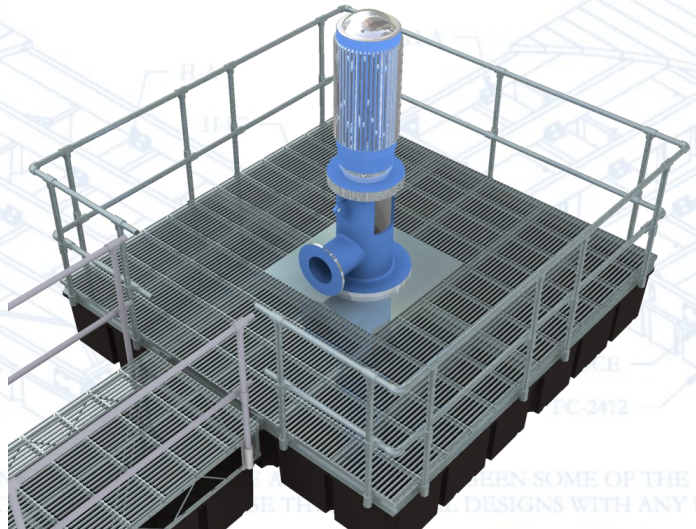
VERTICAL PUMP FLOATING PLATFORM



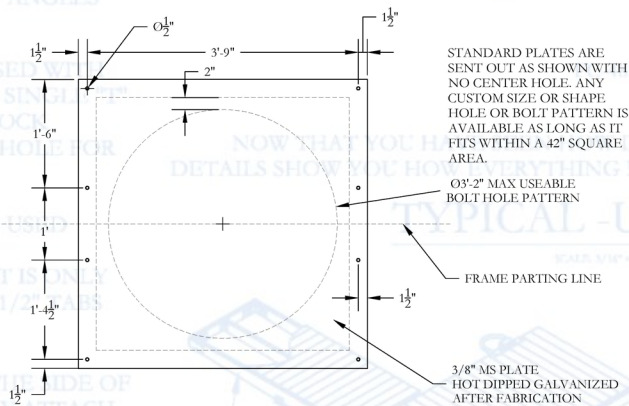
Merco Marine's 12' x 12' and 16' x 16' vertical pump docks can support various pumps for agriculture, water and waste water applications. The 2 sections of this rugged steel platform can be easily bolted together on site. Comes complete with floats, Galvanized Press Lock Decking and plate for



pump. Entire unit is hot dipped galvanized for long service. The base unit has 9950# of flotation. Walkways and other accessories are also available. Ships preassembled. The frame is made from 4\"/>

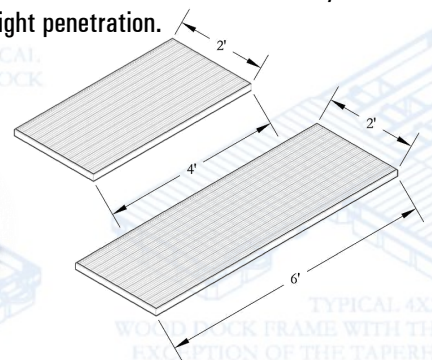
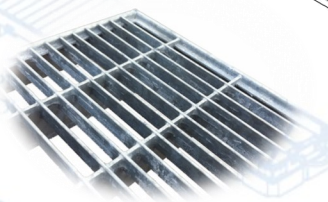


UNITS CAN BE ATTACHED TOGETHER FOR MULTIPLE PUMPS. CALL FOR COMPLETE OPTIONS AND PRICING.



Our press lock decking comes standard (already included) on our vertical pump floating platform but can be purchased individually as shown below. These are industrial strength galvanized steel panels, great for high traffic or commercial needs. These are ideal for walkways and ramps. Allows for 65% sunlight penetration.

100 PSF LOADING



- VP-GRATING24 (2' x 4' x 1-1/4") Ship# 39
- VP-GRATING26 (2' x 6' x 1-1/4") Ship# 59
- VP-GRATING34 (3' x 4' x 1-1/4") Ship# 59
- VP-GRATING45 (4' x 5' x 1-1/4") Ship# 88

Ramps to dock, extensions of ramps and other size platforms can be constructed. Call one of our knowledgeable sales representatives to get more information.



VERTICAL PUMP DOCKS



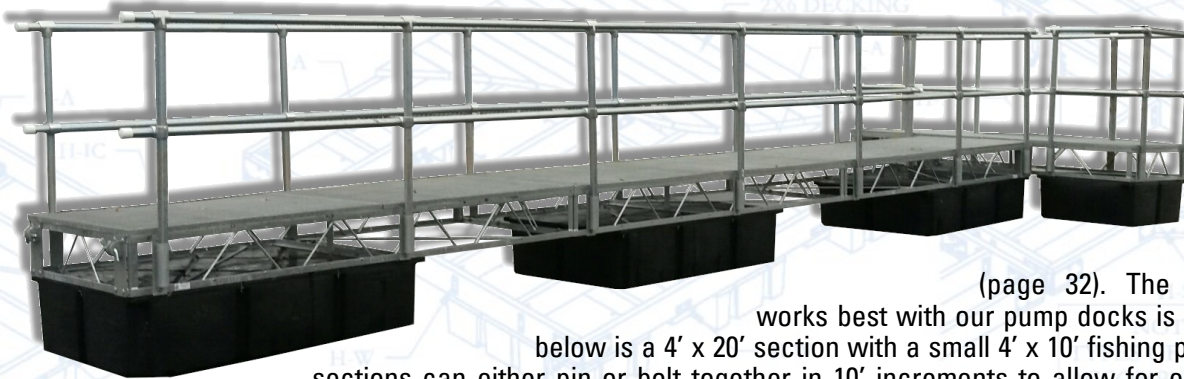
VERTICAL PUMP FLOATING PLATFORM



We build a lot of different vertical pump platforms each year for many different application and sizes of pumps. Call us with your needs and we can recommend the system best for you. Walkways with handrail available (see below)



FLOATING WALKWAYS



Merco Marine™ floating walkways are available in many different lengths and come complete with handrail and our press lock decking

(page 32). The standard width that

works best with our pump docks is 4'. The section shown below is a 4' x 20' section with a small 4' x 10' fishing platform at the end. All sections can either pin or bolt together in 10' increments to allow for easy assembly on site.

Shorter or longer lengths or widths available using our standard truss frame systems from page 54. Individual handrail fittings can be found on page 44.

FISHING • INDUSTRIAL • COMMERCIAL • PRIVATE ACCESS • MINING • SAFETY

FLOATING PIPE LINE CRADLE



Our floating pipe line cradle needs 4 basic components, the cradle frame (PLF-CF), the hoop brackets (PLF-H10—PLF-H18), the float, and bolts.

DESIGNED FOR ANY OF OUR 4' X 6' FLOAT DRUMS

Item ID

PLF-CF Cradle Frame with no hoop Ship# 65

Each PLF-CF needs 2 of following of a like size:

PLF-H10 One 10" Diameter Bracket Ship# 10

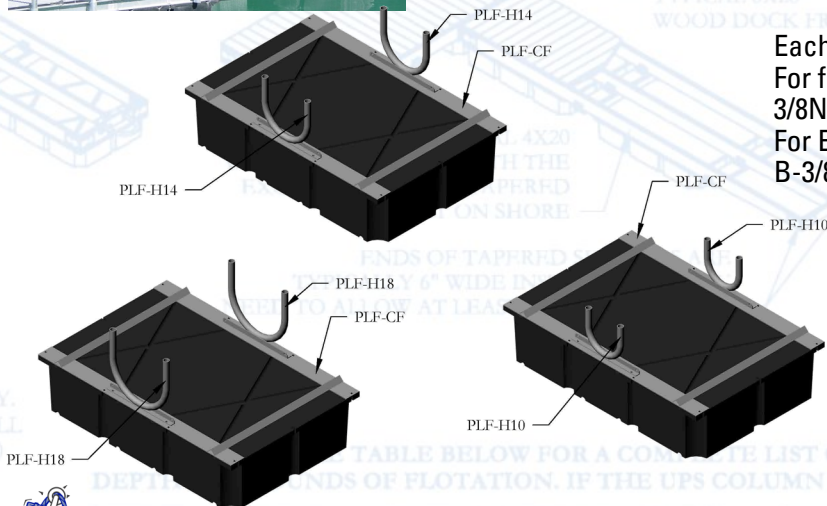
PLF-H14 One 14" Diameter Bracket Ship# 12

PLF-H18 One 18" Diameter Bracket Ship# 14

Each PLF-CF assembly needs the following fasteners:

For floats: B-HB33BOLT (x8), B-5/8W (x16), B-3/8W (x16), B-3/8N (x8), B-CB1 (x4)

For Eagle floats: B-HB33BOLT (x6), B-5/8W (x12), B-3/8W (x12), B-3/8N (x6), B-CB1 (x4)



Any 4'x6' float from pages 34 can be used with the cradle frame. 4612 - 4632. There are a lot of factors that determine the amount of float depth you will need. The type of pipe you use, the weight of the water inside the pipe, and the quantity and spacing of cradles all affect this. Give us a call and we can help you figure out what you need for your specific application.

PUMP DOCK - WALKWAYS

FLOAT DRUMS

Merco Marine™ stocks several different types and sizes of Eagle Float drums.

The "*" that you see after the item code denotes sizes that are able to ship common carrier, such as UPS. All other sizes require alternate LTL or truck load motor freight carriers.

For a complete drawing of each float, visit our website at: www.mercoboatdocks.com/floats



FLOAT DRUMS

FEATURES:

- Heavy wall thickness (.150) nominal wall
- One piece rotational molded shell
- Completely foam filled 1.0-1.5 density EPS
 - 100% virgin grade polyethylene materials
 - UV inhibitors
- Molded in Mounting slots
- Heavy Duty mounting flange
- Meets Corps of Engineers Regulation #36 CFR Part 327
 - Dart impact tested
 - 15 year warranty
- Tank tested buoyancy ratings +0/-5%



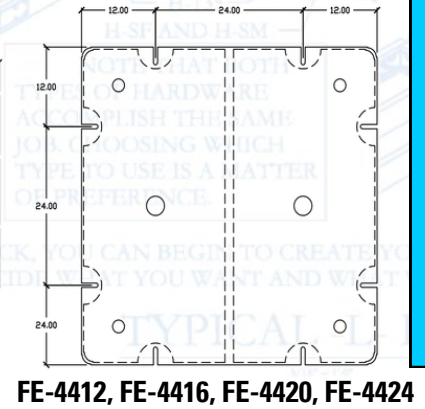
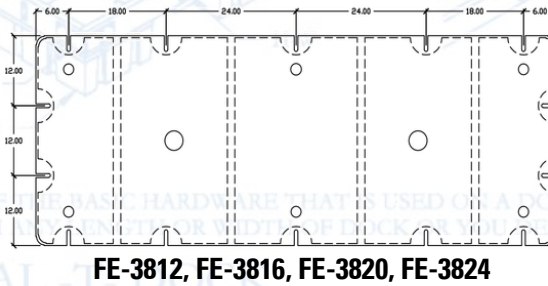
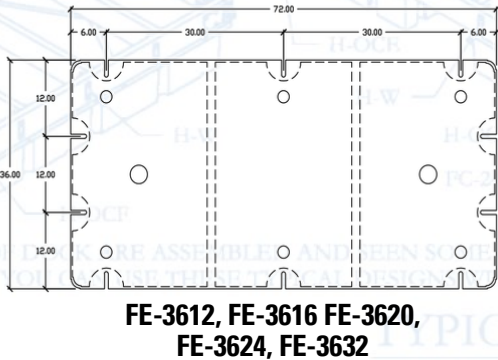
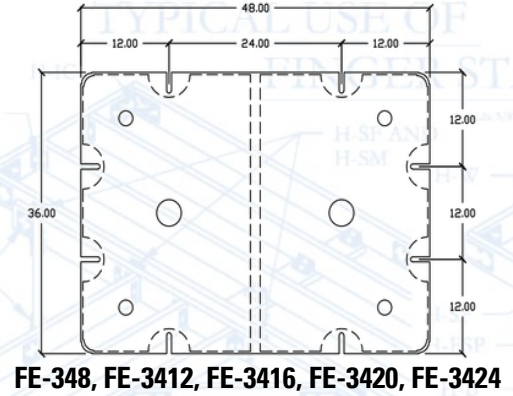
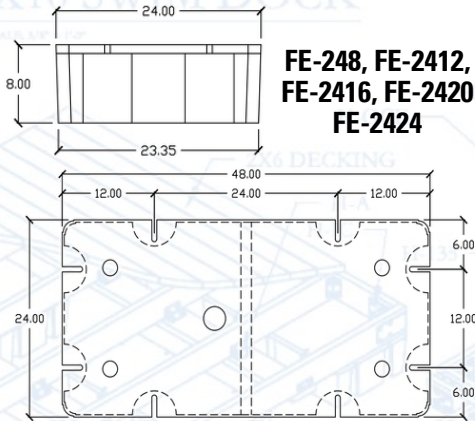
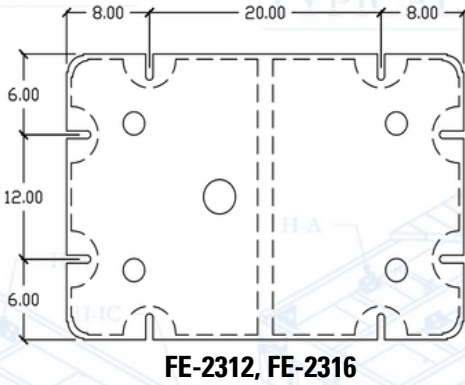
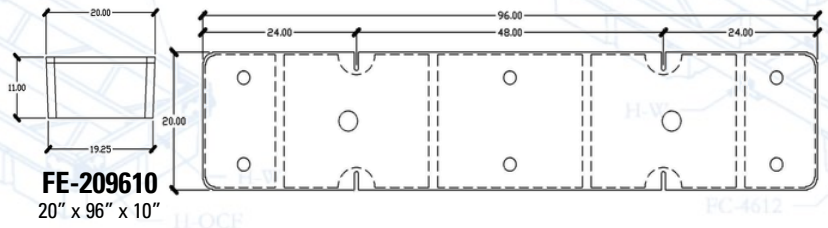
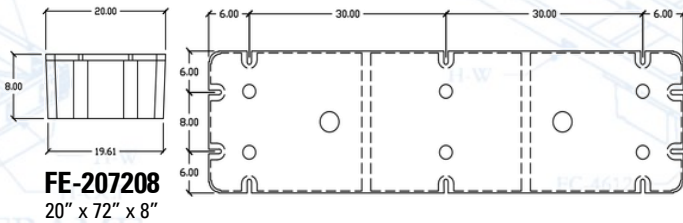
ITEM CODE	SIZE	CU. FT.	ACTUAL WEIGHT	BUOYANCY (LBS.)
FE-1420*	1' x 4' x 20"	6.67	27#	310
FE-207208*	20" x 72" x 8"	6.67	42#	350
FE-209610	20" x 96" x 10"	13.00	63#	670
FE-2312*	2' x 3' x 12"	6.00	33#	300
FE-2316*	2' x 3' x 16"	8.00	34#	390
FE-248*	2' x 4' x 8"	5.33	30#	290
FE-2412*	2' x 4' x 12"	8.00	31#	390
FE-2416*	2' x 4' x 16"	10.70	35#	530
FE-2420	2' x 4' x 20"	13.30	39#	680
FE-2424	2' x 4' x 24"	12.00	44#	790
FE-348	3' x 4' x 8"	8.00	35#	460
FE-3412	3' x 4' x 12"	12.00	41#	620
FE-3416	3' x 4' x 16"	16.00	49#	820
FE-3420	3' x 4' x 20"	20.00	54#	1050
FE-3424	3' x 4' x 24"	24.00	62#	1260
FE-3612	3' x 6' x 12"	18.00	61#	950
FE-3616	3' x 6' x 16"	24.00	69#	1270
FE-3620	3' x 6' x 20"	30.00	81#	1580
FE-3624	3' x 6' x 24"	36.00	92#	1850
FE-3632	3' x 6' x 32"	48.00	111#	2430
FE-3812	3' x 8' x 12"	24.00	81#	1250
FE-3816	3' x 8' x 16"	31.00	97#	1670
FE-3820	3' x 8' x 20"	40.00	107#	2080
FE-3824	3' x 8' x 24"	48.00	117#	2540
FE-4412	4' x 4' x 12"	16.00	53#	850
FE-4416	4' x 4' x 16"	21.30	62#	1140
FE-4420	4' x 4' x 20"	26.60	70#	1430
FE-4424	4' x 4' x 24"	31.90	78#	1680
FE-4512	4' x 5' x 12"	20.00	67#	1070
FE-4516	4' x 5' x 16"	26.00	78#	1420
FE-4520	4' x 5' x 20"	33.00	92#	1750
FE-4524	4' x 5' x 24"	40.00	99#	2100
FE-4612	4' x 6' x 12"	24.00	75#	1300
FE-4616	4' x 6' x 16"	32.00	91#	1720
FE-4620	4' x 6' x 20"	40.00	117#	2120
FE-4624	4' x 6' x 24"	48.00	120#	2560
FE-4632	4' x 6' x 32"	64.00	142#	3400
FE-4812	4' x 8' x 12"	32.00	103#	1750
FE-4816	4' x 8' x 16"	42.70	127#	2310
FE-4820	4' x 8' x 20"	53.30	134#	2910
FE-4824	4' x 8' x 24"	64.00	160#	3450
FE-4832	4' x 8' x 32"	86.00	185#	4440

15 YEAR WARRANTY!

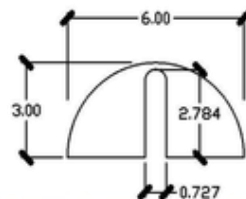
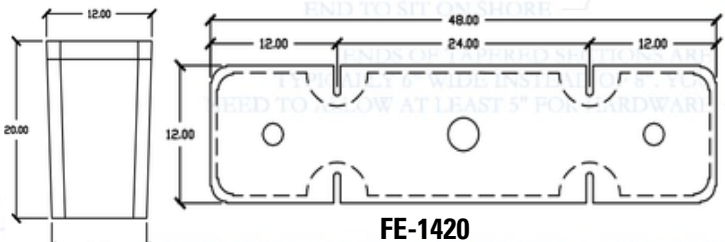
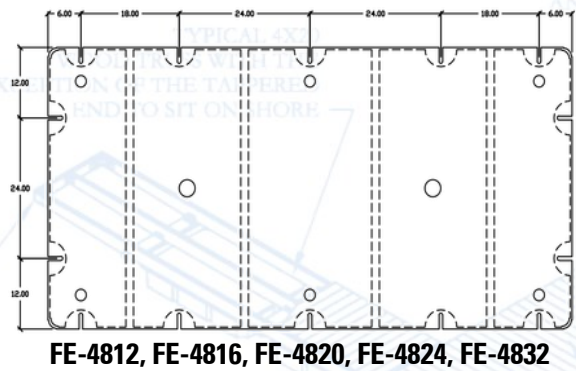
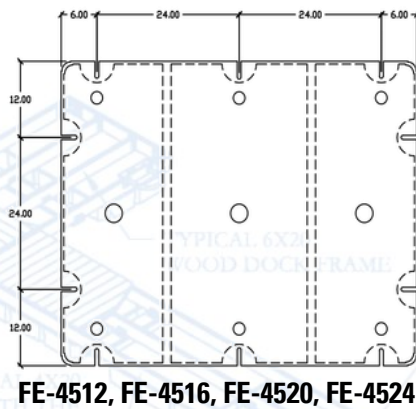
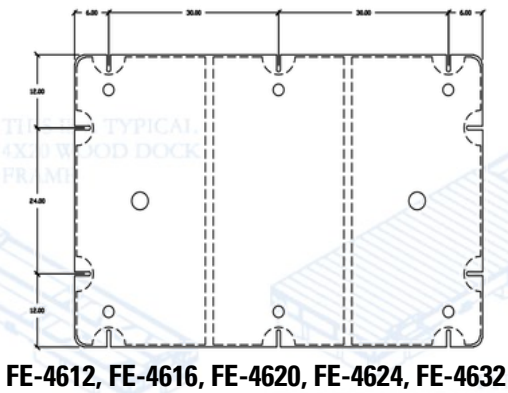
LIFT TANKS	SIZE	ACTUAL WEIGHT	BUOYANCY (LBS.)
FE-369628	36" x 96" x 28"	191#	2849
FE-369632	36" x 96" x 32"	205#	3230
FE-489636	48" x 96" x 36"	256#	5028



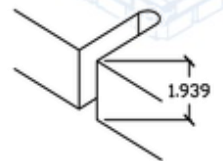
EAGLE FLOAT DRUM DRAWINGS



FLOAT DRUMS



**TOP
VIEW OF
MOUNTING
SLOTS**



NOTE: PLEASE REFER TO OUR WEBSITE FOR A COMPLETE DRAWING OF EACH INDIVIDUAL FLOAT



How much flotation do YOU need?

There are a number of factors to ask before you figure flotation requirements. If it is a homeowners dock that holds only a few people, we generally use about 35 lbs. per square foot to calculate flotation. A marina with more people needs about 35 lbs. or more per square foot, depending on the amount of live load traffic.

Determine the height of your float. We have 12", 16", 20", and 24" high floats in most models. The lower the float, the more stable the dock will be. The more footprint in the water (the amount of surface water covered by floats) the more stable the dock will be.

Example: Homeowners Dock 6' wide and 20' long.

Determine the square footage of dock by multiplying 6' x 20' equaling 120 sq. ft.

We then use 35 lbs. per square foot; 35 lbs. x 120 sq. ft. equaling 4,200 lbs. of total flotation needed.

Next, you would figure out what size float you would like to use.

There are a few different options:

Example 1:

A large float, such as FE-4612 (4'x6'x12") has 1,300 lbs. of buoyancy each. Divide 4,200 lbs. by 1,300 lbs. equaling 3.23. You would need 3 floats total.

Example 2:

A small float, such as FE-2412 (2'x4'x12") has 390 lbs. of buoyancy each. Divide 4,200 lbs. by 390 lbs. equaling 10.77. You would need 11 floats total.

For a commercial application you would do the same calculation, except you would use 35 lbs. per square foot or more, depending on what size boat you are housing.

Keep in mind that these are **rough calculations**. The dock weight, material, decking, etc., will affect the actual amount of flotation you need.



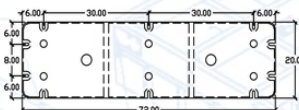
If you are having trouble figuring how much flotation you need, give us a call in our office and our salesmen would be glad to help!



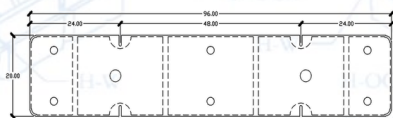
FLOATS FOR ROWING DOCKS



Mercob Marine has both manufactured docks and supplied parts for over a dozen of the countries college rowing teams including some of the big ivy league universities. Our rowing dock is specifically designed to float very low in the water to facilitate easy access for rowing shells and other low profile watercraft such as kayaks and canoes. This design is able to be accomplished via a particular size of float drum that fits within the framing of the dock structure. The drawings for the floats are shown below and the specs can be found on page 34.

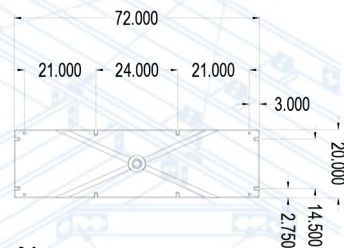
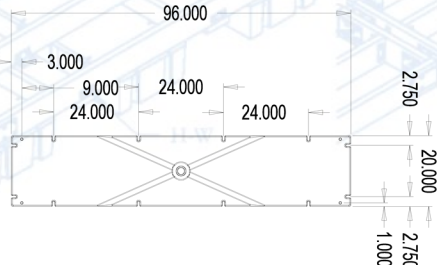


FE-207208 20" x 72" x 8"



FE-209610 20" x 96" x 10"

See pages 34 and 35 for other specifications



Above:
FC-207208 20" x 72" x 8"
FC-207210 20" x 72" x 10"

To the left:
FC-209610 20" x 96" x 10"

New! DOCK BOXES



DB-CM01



DB-CM02



DB-CM07



DB-CM09

See our new complete line of these products and more at www.mercoboardocks.com/Dock-Accessories/Dock-Boxes

Standard Features:

- Made in the U.S.A.
- Minimum 3/16" heavy fiberglass thickness
- Gas lifts available on some models
- All stainless steel hardware
- UV white gel coat provides long-lasting durability and sound investment.
- 2 Year manufacturers warranty



DB-CM071

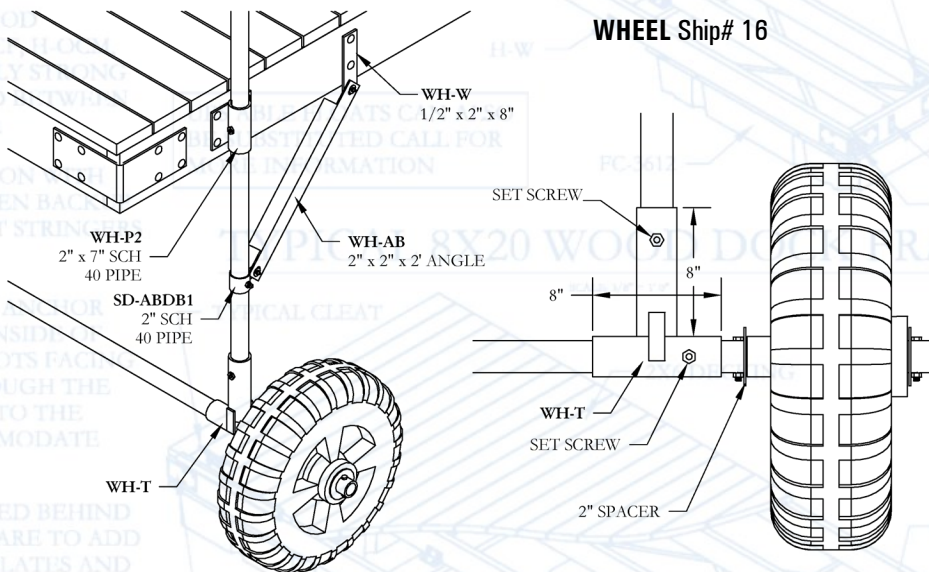
"THIS STUFF IS GOOD!"

Standard Storage Chests

- DB-CM071** 71" x 22" x 24"
- DB-CM02** 48" x 20" x 18"
- DB-CM07** 75" x 27" x 26"
- DB-CM01** 40" x 19" x 21"
- DB-CM09** 96" x 22" x 25"

DOCK WHEELS

Mercor Marine™ has developed hardware to go with the 24" diameter 8" tread width wheel. This wheel is blow molded from tough high-density polyethylene. They are rated at 700# load capacity and covered by a 3 year warranty.



WHEEL Ship# 16

The hardware can be used for roll in docks using our kit. You buy 1-1/2" schedule 40 pipe for the axle and upright. All the fasteners, brace and brackets come in the kit.

Kit Includes

- 2-Wheels 2-T-brackets 2-Dock side brackets
- 2-Braces 2-Brace brackets
- All hardware needed to attach to almost any dock
- All hardware is hot dipped galvanized

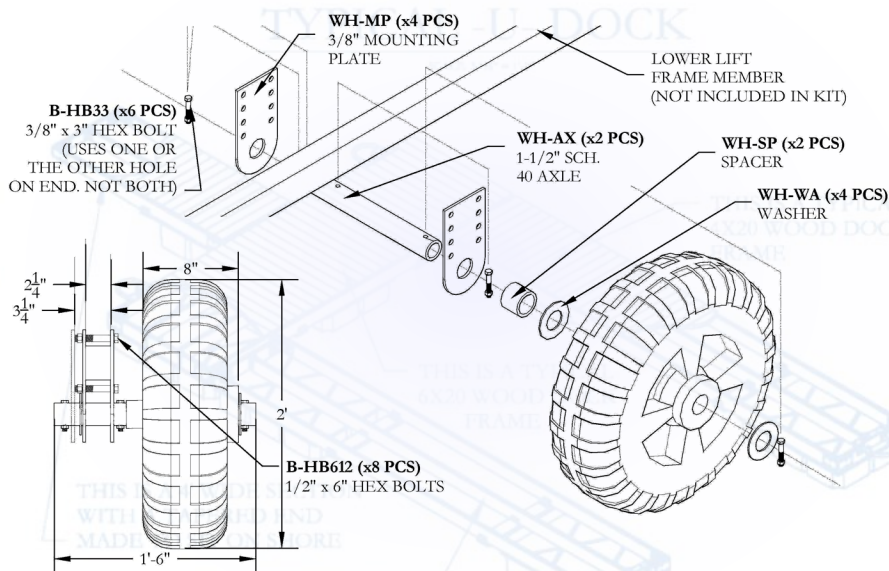
WH-DOCKKIT Ship# 43

BOAT LIFT HARDWARE KIT

Put wheels on your boatlift and roll in and out for the season.

Kit Includes

- 2-Wheels
- 4-Mounting Plates
- 2-Axles
- All hardware needed to attach to almost any boatlift
- All hardware is hot dipped galvanized



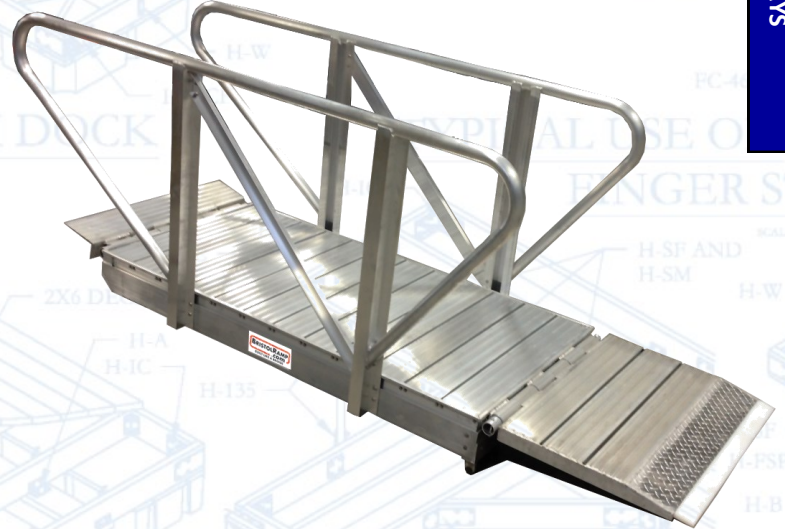
WH-BOATLIFTKIT Ship# 60

DOCK WHEELS



GANGWAYS

Our all-aluminum gangways are 100% welded and offer a detachable handrail up to 30' for easy shipping. Gangways over 30' have welded handrails. All gangways come standard with full width UHMW rollers, ramp cover plate and horizontal hinge assembly. The 6061-T6 extruded ribbed decking offers excellent skid resistance in wet and dry weather. All fasteners are stainless steel.

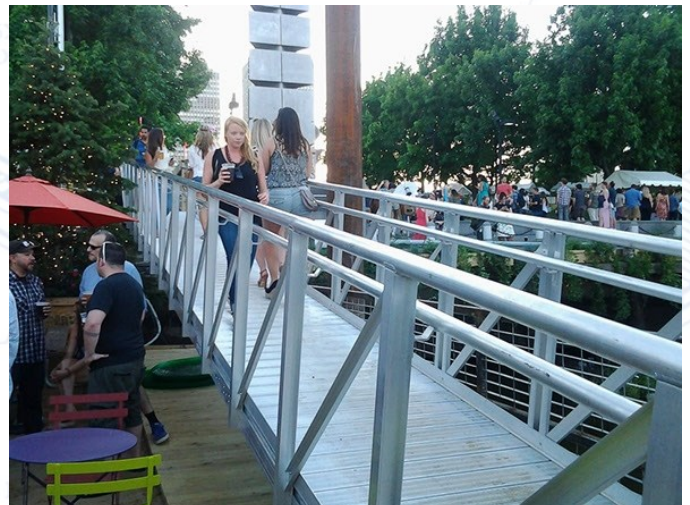


Ship#

AG-315	3' x 15' Aluminum Gangway	400
AG-320	3' x 20' Aluminum Gangway	458
AG-325	3' x 25' Aluminum Gangway	589
AG-330	3' x 30' Aluminum Gangway	673
AG-415	4' x 15' Aluminum Gangway	460
AG-420	4' x 20' Aluminum Gangway	524
AG-425	4' x 25' Aluminum Gangway	670
AG-430	4' x 30' Aluminum Gangway	762

Call for other sizes. Available in many custom Lengths (up to 100') or width.

- Welded or Removable Handrail
- Ramps and Rollers or Hinged options on either end.



PILE CAPS

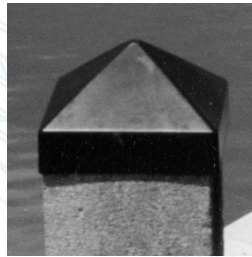
Mercos Marine's Pile Caps are injection molded in order to retain a uniform thickness of .100. Both round and square caps are cone shaped (a little tougher for birds to perch on). They are made from polyethylene, come in both black and white and have 4 pre-punched holes on the flanges for nailing.

PILE CAPS

ROUND CAPS

					Ship#
PCB-7	7"	Black	PCW-7	7" White	1
PCB-8	8"	Black	PCW-8	8" White	1
PCB-9	9"	Black	PCW-9	9" White	1
PCB-10	10"	Black	PCW-10	10" White	1
PCB-11	11"	Black	PCW-11	11" White	1
PCB-12	12"	Black	PCW-12	12" White	1
PCB-13	13"	Black	PCW-13	13" White	1
PCB-14	14"	Black	PCW-14	14" White	2
PCB-15	15"	Black	PCW-15	15" White	2
PCB-16	16"	Black	PCW-16	16" White	2

SQUARE



ROUND



SQUARE CAPS

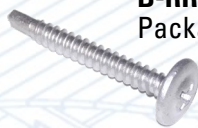
				Ship#
PCB-8S	8" Black	PCW-8S	8" White	1
PCB-10S	10" Black	PCW-10S	10" White	2
PCB-12S	12" Black	PCW-12S	12" White	2
PCB-14S	14" Black	PCW-14S	14" White	2

STAINLESS FASTENERS

B-RN
Package of 25

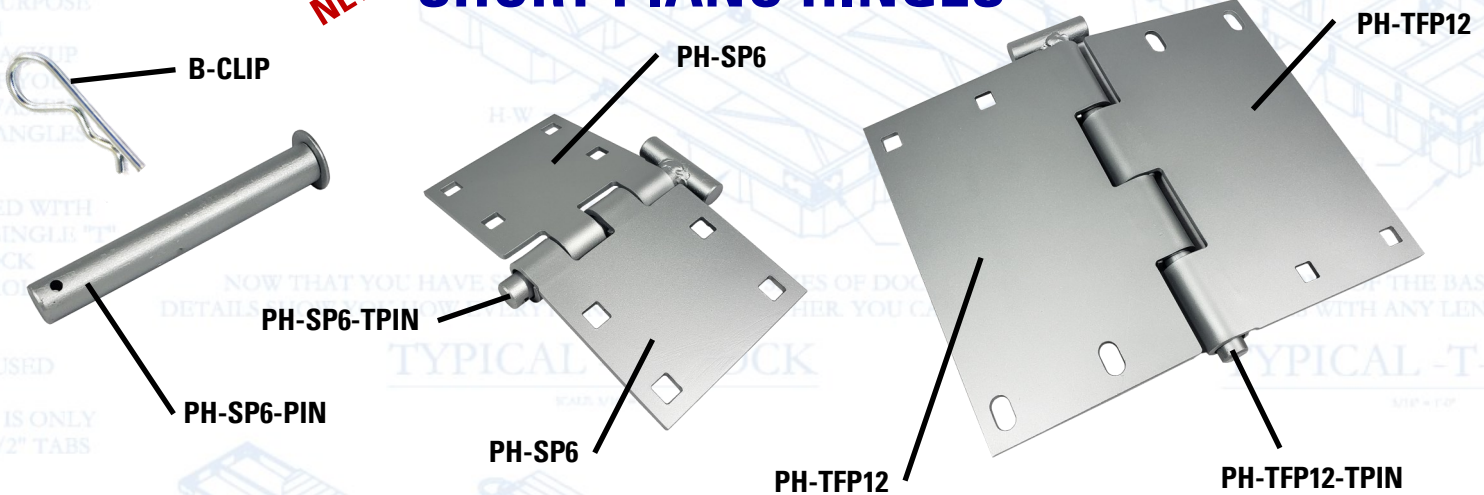


B-RRS1
Package of 25



Mercos Marine™ warrants all its pile caps to the original owner against cracking, peeling and deterioration from ultraviolet rays under normal usage for 3 years from the date of purchase.

NEW! SHORT PIANO HINGES



These Short Piano Hinges utilize the same one piece solid style as our standard piano hinges but are intended to cover multiple other uses in dock systems that our other piano hinges don't.

MORE INFO ON OUR WEBSITE UNDER DOCK COMPONENTS—PIANO HINGES

The pins are all 7/8" and the plates are all 3/16" thick. The PH-TFP12 is 12" tall and the hole pattern matches the pattern on our truss frame ends where we normally would attach the TF-HM/HF hardware. The PH-SP6 is 6" tall—more intended for wood dock. It can attach either to the top of your decking or through bolt into the sides of sections.

INDIVIDUAL COMPONENTS

	Ship#
PH-SP6	2.1
PH-SP6-PIN	1.2
PH-SP6-TPIN	1.7
B-CLIP	0.05
PH-TFP12	5.1
PH-TFP12-TPIN	2.7



PIANO HINGES

Mercó Marine offers a dock piano hinge system using the components shown below to create a hinge system that can be used for several different widths, designs, and any length of dock that also works with most standard thicknesses of decking. Our piano hinge brackets are made of one solid piece of 3/16" steel that's mechanically formed and then hot dipped galvanized after fabrication.

TRUSS FRAME BRACKETS

WOOD DOCK / FLUSH BRACKETS

PINS FOR EITHER STYLE BRACKET



PH-TF3-1
Ship# 12

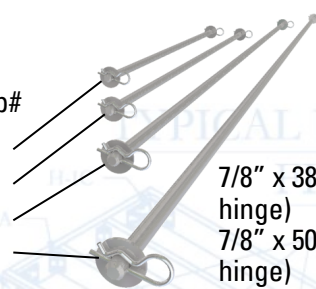
PH-TF4-1
Ship# 15



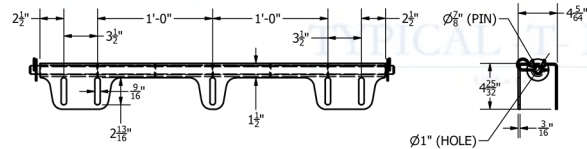
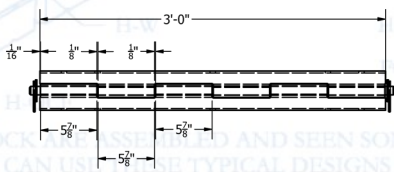
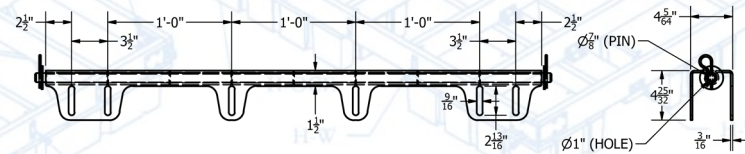
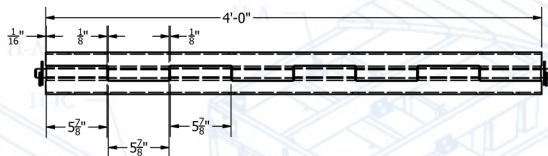
PH-WD3-1
Ship# 14

PH-WD4-1
Ship# 18

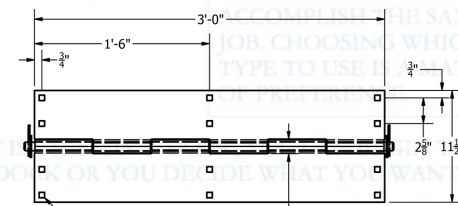
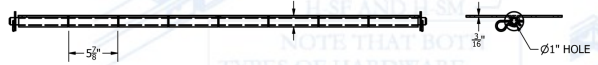
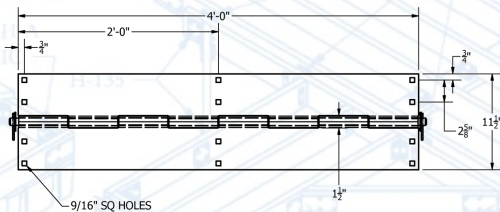
- Ship#
- PH-PIN3-1** 5
 - PH-PIN4-1** 5
 - PH-PIN6-1** 5
 - PH-PIN8-1** 5



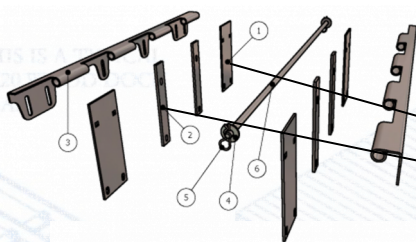
7/8" x 38" PIN (for 3' hinge)
7/8" x 50" PIN (for 4' hinge)



More info available at
www.mercoboatdocks.com/dock-hardware/pianohinge



PIANO HINGES



Optional Stiffener options shown left:

- PH-S5** 5" x 14" x 1/4" Plate Ship# 5
- PH-S2** 2" x 14" x 3/8" Plate Ship# 4

Each pin also requires 2 of each of the following:

- B-1W** 1" WASHER HDG
- B-CLIP** COTTER KEY CLIP



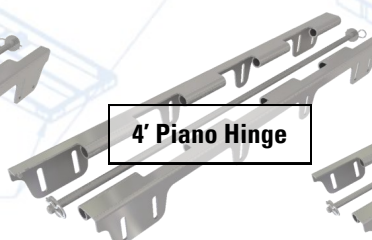
Below you will find examples of how piano hinge components can be used to make various hinge systems for your dock:



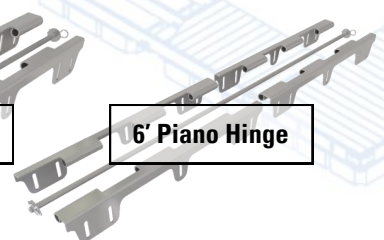
3' Wood dock / Flush Piano Hinge



3' Piano Hinge



4' Piano Hinge



6' Piano Hinge

Part Number	Qty Needed
PH-WD3-1	x2
PH-PIN3-1	x1
B-1W	x2
B-CLIP	x2

Part Number	Qty Needed
PH-TF3-1	x2
PH-PIN3-1	x1
B-1W	x2
B-CLIP	x2

Part Number	Qty Needed
PH-TF4-1	x2
PH-PIN4-1	x1
B-1W	x2
B-CLIP	x2

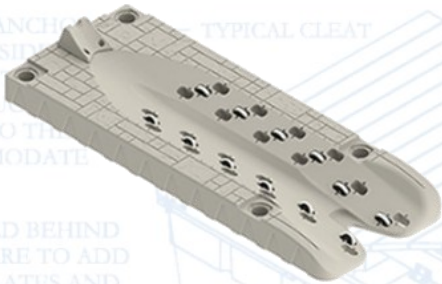
Part Number	Qty Needed
PH-TF3-1	x4
PH-PIN6-1	x1
B-1W	x2
B-CLIP	x2

RIDE ON PWC LIFT



PORT UNIT: WP-SLX5

HARDWARE OPTIONS



WP-SLXFA

More info on our website at www.mercoboatdocks.com/dock-accessories/personal-watercraft-lifts

- Rotationally Molded UV Protected Polyethylene
- Foam-Filled Interior (increases buoyancy and structural integrity)
- Integrated Side Pontoons (increases flotation and stability)
- Removable Bow Stop with Tie-Down Ring
- 12 Adjustable Polyurethane Overlaid Wheels
- Tan Textured Finish
- Molded-In Mounting Pockets In All Corners (for various anchoring)
- Integrates With Wave Dock System
- Can be utilized as a Stand Alone PWC Port, Connect Together or Attach to Other Floating Docks (utilizing SLX Attachment Kits)
- Port Length: 12 Ft. 8 In. Long
- Port Width: 5 Ft Wide
- Weight Capacity: 1500 Lbs
- Weight: 286 Lbs

KAYAK-N-RACK™



Mercó's Kayak-N-Rack attaches to floating dock and provides a stable entry point for your kayak and has the added benefit of an area to store your kayak on your dock when not in use.

Ship# 72

KAYAK-N-RACK

TRUSS DOCK ADAPTERS & MORE INFO ONLINE AT:

www.mercoboatdocks.com/Kits-and-Completed-Units

Parts list:

- (1) 2- PIPE-2 41" Lengths of light pipe
 - (2) 3- PIPE-112G 46" Straight Pipes
 - (3) 2- PIPE-112GB Angled bottom braces
 - (4) 2- HF-3 Elbows
 - (5) 2- HF-5 Tee's
 - (6) 2- HF-12 Crosses
 - (7) 2- WH-P2 Pipe holders w/ set screws
 - (8) 2- SC-W150 Safety Caps
 - (9) 8- B-L3 3" Lag Bolts
- (optional truss adapter plates available)

FREE COOLIES

Would you like a free Mercó beverage coolie or a hard copy of this catalog? Visit our website at www.mercoboatdocks.com/catalog for more info.



We'll send a free coolie with any catalog request completed from our website. **SEE LINK ABOVE**

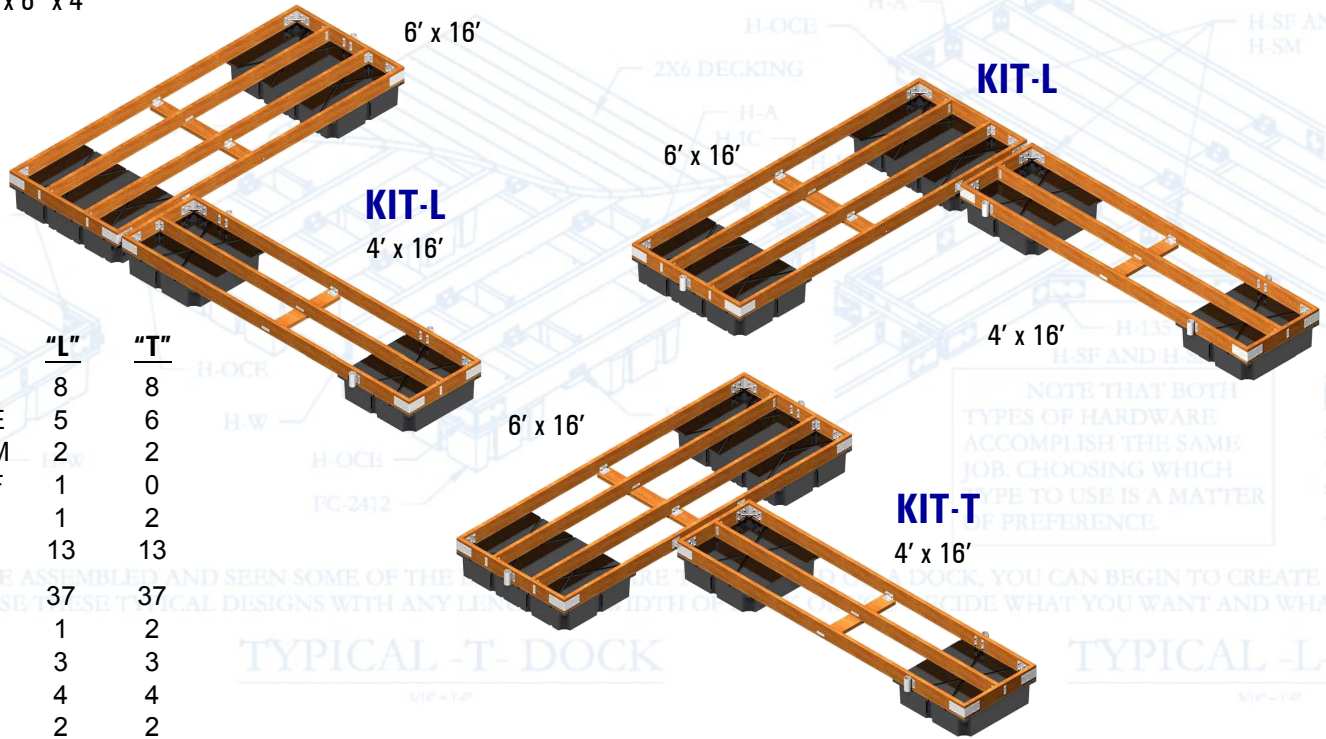
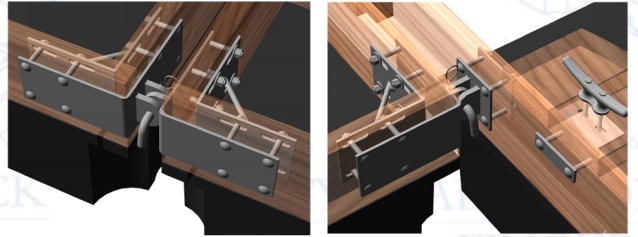


DOCK KITS

Mercor Marine has put together 2 kits for wood docks. All the galvanized hardware including bolts are included in each dock kit. The lumber and decking can be bought locally.

KITS

Lumber Needed	Floats Needed	Decking Needed
7 2" x 8" x 16'	2 4' x 6' x 12"	160 Sq. Ft. of decking and screws
2 2" x 8" x 6'	2 4' x 4' x 12"	
2 2" x 8" x 4'		
2 2" x 6" x 6'		
1 2" x 6" x 4'		



Kit Use	"L"	"T"
HL-IC	8	8
HL-OCE	5	6
HL-OCM	2	2
HL-OCF	1	0
HL-SF	1	2
HL-A	13	13
HL-W	37	37
HL-B	1	2
HL-CA	3	3
PL-3	4	4
B-PIN	2	2
B-L4	32	32
B-CB2	142	146
C-10	3	3
B-HB538	6	6

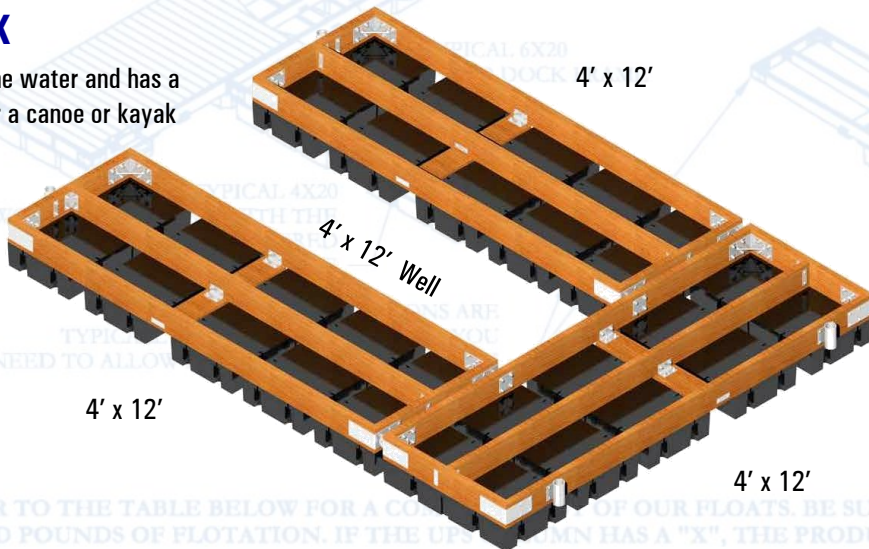
Lumber Needed	Floats Needed	Decking Needed
9 2" x 6" x 12'	15 2' x 4' x 8"	144 Sq. Ft. of decking and screws
9 2" x 6" x 4'		

Kayak Dock Kit You need

H-IC	12
H-OCE	6
H-NAOCM	4
H-NAOCF	2
H-NASF	2
P-3	4
H-A	15
H-W	38
H-B	2
B-PIN	8
B-CB3	180
B-L4	60

KAYAK DOCK

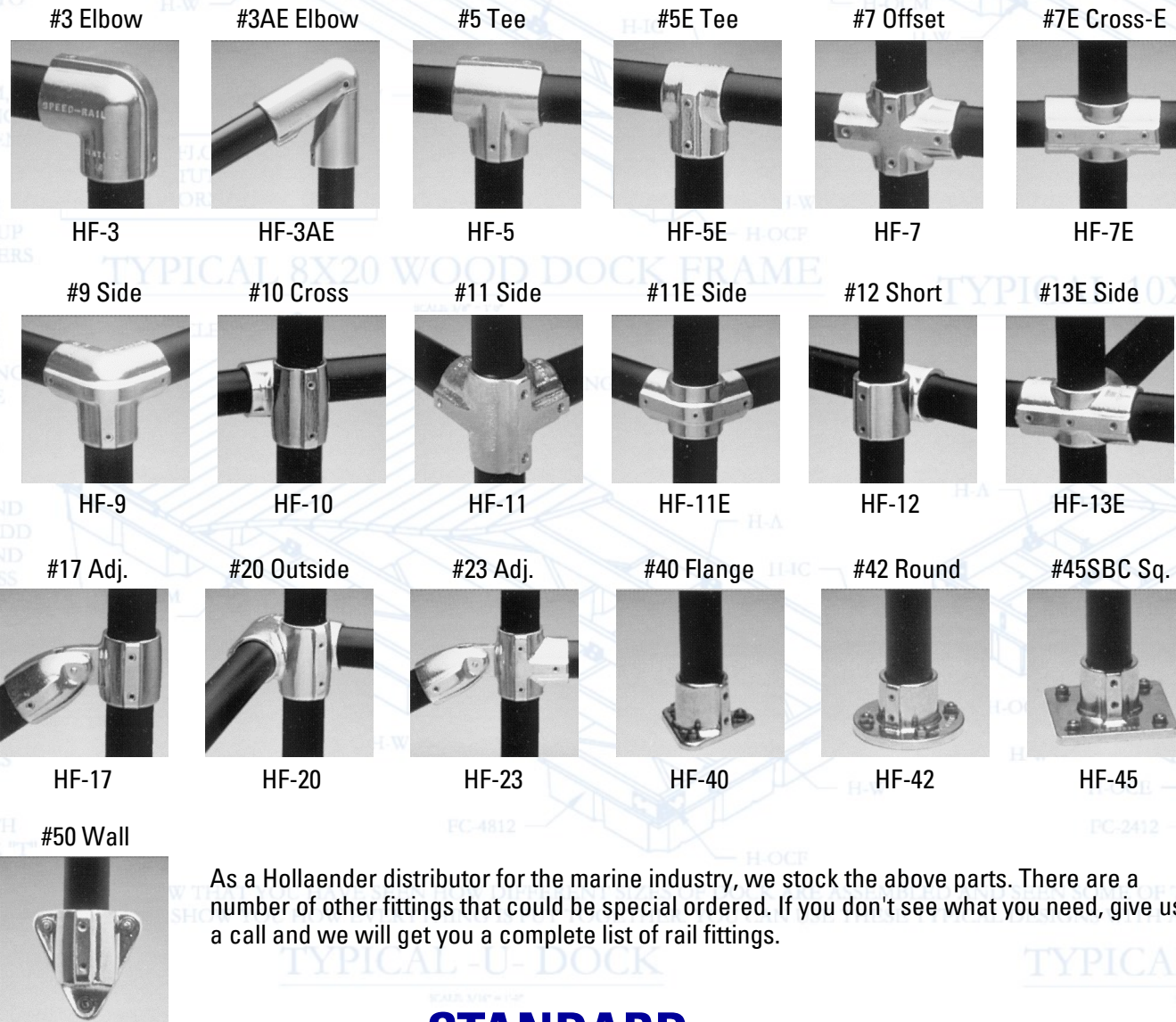
This dock sits low in the water and has a small 4' slip perfect for a canoe or kayak



HOLLAENDER FITTINGS

If you need to build a handrail, these fittings may be just what you were looking for. The special aluminum/magnesium alloy is compatible with galvanized schedule 40 pipe as well as aluminum schedule 40 pipe. We recommend 1-1/2" pipe in most cases and stock this size fitting. We like the lightweight, their great strength and their corrosion resistance.

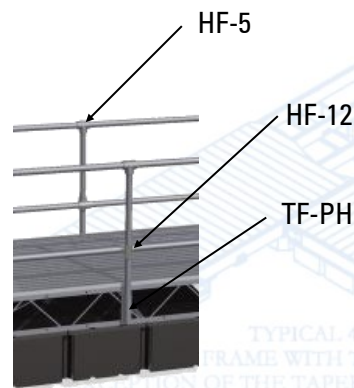
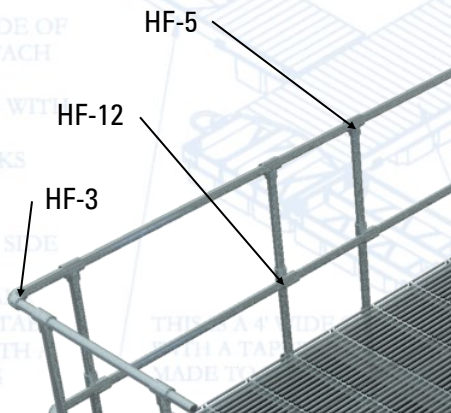
HOLLAENDER FITTINGS



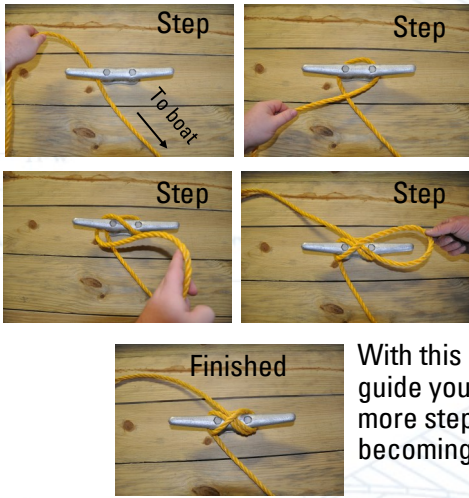
As a Hollaender distributor for the marine industry, we stock the above parts. There are a number of other fittings that could be special ordered. If you don't see what you need, give us a call and we will get you a complete list of rail fittings.

STANDARD

We use a lot of the HF-5, HF-12, and HF-3 fittings to build handrail sections for floating walkways and pump dock sections (pages 32-33). We make our own piece of hardware to attach handrail sections to our docks (TF-PH on page 56). Use the HF-5 on the top then the HF-12 for the midrail and the HF-3 for any corners. We use all 1.9 galvanized tubing for our handrail.



CLEATS

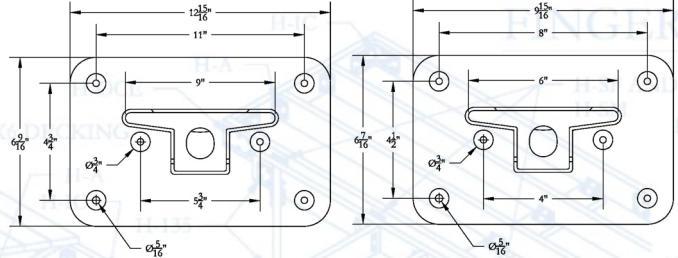


We see a lot of people struggling to tie a cleat so we thought we'd provide the correct method.

With this simple 4 step guide you can take one more step forward in becoming a docking



This heavy duty fold down cleat is made from filled nylon and is strong enough to be driven over. It can be bolted down from the top - rated for 1/2" rope. Has stainless hinge pin. Pat# 5,438,944

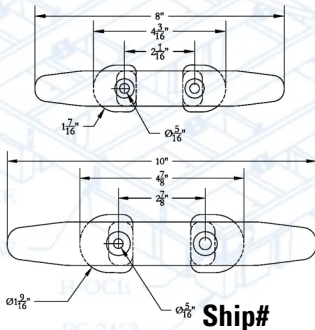


Model	Description	Ship#
C-FD6	Black 6" Fold Down Cleat	2
C-FD9	Black 9" Fold Down Cleat	2

CLEATS



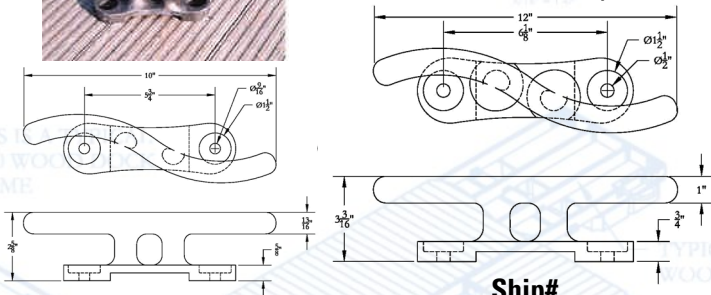
Our black nylon cleats are almost unbreakable and are resistant to salt and sun damage. Use two 5/16" flat head bolts to



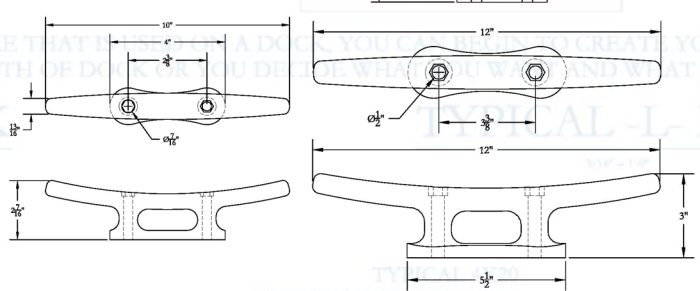
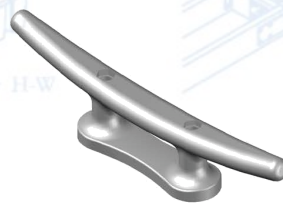
Model	Description	Ship#
C-8N	8" Black Nylon Cleat	1
C-10N	10" Black Nylon Cleat	2



The cast aluminum S cleats work especially well if you have to bolt from the top down



Model	Description	Ship#
C-10S	10" Aluminum S Cleat	2
C-12S	12" Aluminum S Cleat	3



Merco's steel cleats are made from malleable iron and then hot-dipped galvanized. C-8 uses 5/16" hex head bolts, C-10 uses 3/8" hex head bolts, C-12 uses 3/8" hex head bolts. (Fasteners on page 28)

Model	Description	Ship#
C-8	8" Galvanized Steel Cleat	2
C-10	10" Galvanized Steel Cleat	3
C-12	12" Galvanized Steel Cleat	4

Galvanized steel truss frame cleats. These cleats can be used when you don't want to or can't drill holes in your decking. We use a lot of these with concrete decking systems. The rod is 3/4" diameter 10" long and sticks above a 12" tall truss frame 5-3/4" (not including the decking or sleepers)

NEW!



Model	Description	Ship#
C-10C	10" Galvanized Side Mounted Cleat	6



These heavy duty ship cleats are the same malleable iron hot dipped galvanized material as our galvanized cleats above, but are much heavier duty, about 2x stronger than a standard galvanized cleat.

Model	Description	Ship#
C-10M	10" Steel Ship Cleat (use 1/2" hex bolts)	5
C-12M	12" Steel Ship Cleat (use 5/8" hex bolts)	9



LIGHTING AND POWER

WE ARE AN AUTHORIZED EATON MARINA POWER AND LIGHTING DISTRIBUTOR.

HATTERAS



Height: 30"
Width: 7.5"
Depth: 7.5"

LIGHTHOUSE



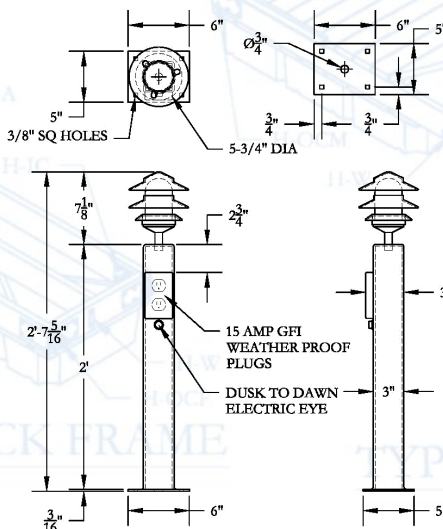
Height: 44"
Width: 13.75"
Depth: 13.75"

NEWPORT HARBOR MATE



Height: 14.5"
Width: 10.5"
Depth: 9.5"

Merco offers several types of power posts. Several standard features included on various models including photocell light control, weather-proof doors, hose and cable brackets, heavy duty polycarbonate housing, phone and TV connections, copper bus bar with ratings from 140-500 amps, hinged base for easy install and access, single or dual ball halves and hose bibs for water service, backlit face plates for easy night viewing. Call for the one that is right for you.



Merco Marine™ offers a heavy duty 3" square hot dipped galvanized utility post. It comes complete with 15 AMP GFI outlet, weather proof cover, electric eye, 2 tier louvered light and 20,000 hr. light bulb. Not UL rated.

UP-1 Utility Post Ship# 16

ECONOMY SOLAR POWERED LIGHTS



**MODEL #
SL-9SOL**

← 1 Mile Range

- 2 Mile Range
- Measures 5" x 7"

BOTH MODELS

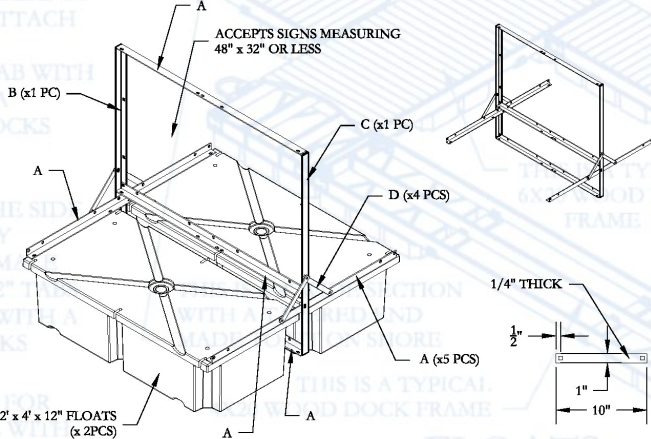
- Available In Universal Or 1" Pipe Mount
- Waterproof Polycarbonate Housing & Base
- Available In Different Flash Patterns
- Colors Available: Red, Green, Amber, Clear, Blue



**MODEL #
SL-THF**

FLOATING SIGN

USE 8 B-CB2 BOLTS TO BOLT FLOATS TO FRAME
USE 14 B-CB385 BOLTS TO BOLT FRAME TOGETHER



Heavy duty hot dipped galvanized frame, all fasteners, and 2 float drums. Sign measures 4' wide x 32" high. The entire sign floats approximately 46" out of the water and comes with clevis pins for attaching your anchor line. Get lettering done locally. Use plywood or plasticore for sign.

FS-0 Frame complete Ship# 120



SIESTA COMPOSITE DECKING

Merco Marine™ carries Duralife Siesta Collection in 12', 16', and 20' lengths in golden teak and gray colors. It is 5/4 decking which measures 1" x 5-1/2" and can be screwed down or put down with a hidden clip. It's made of polypropylene which melts at 320°F.

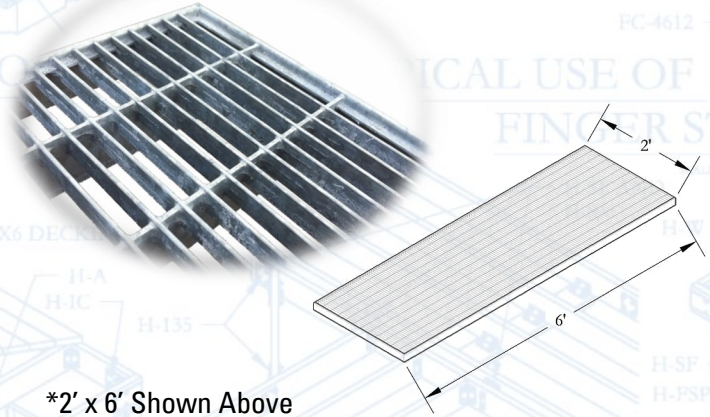
Weight: 2.2 lbs Per Foot • High Friction Coefficient
 UV Stabilization • Wood Grain • Polypropylene
 Call For Pricing



*Static build-up is a natural occurring phenomenon & could occur with Siesta decking.

GALVANIZED STEEL GRATING

Our press lock decking comes standard (already included) on our vertical pump floating platform (on page 32) but it can be purchased individually as shown below. These are industrial strength galvanized steel panels, great for high traffic or commercial needs. These are ideal for walkways and ramps. Allows for 65% sunlight penetration.



*2' x 6' Shown Above

- VP-GRATING24 (2' x 4' x 1-1/4") Ship# 39
- VP-GRATING26 (2' x 6' x 1-1/4") Ship# 59
- VP-GRATING34 (3' x 4' x 1-1/4") Ship# 59
- VP-GRATING45 (4' x 5' x 1-1/4") Ship# 88

COOLERS

Merco Marine™ is a stocking distributor of Kong Coolers. Like our own products these coolers have always been Made in America, and we always will be. They have been tested by third party reviewers to hold ice for 10+ days, which is longer than most other leading brands.

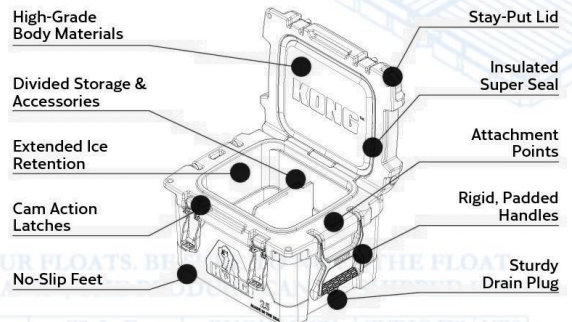
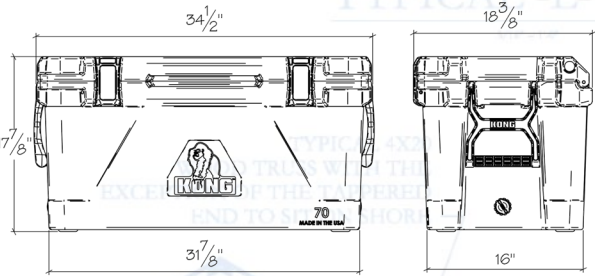
KONG Coolers are well-known for unique add-on accessories including the Divider, Cut'n Tray, Kicker, and Bottle Biter. Many of our accessories are multi-functional. Shop accessories here.

The handles and latches are made of nylon, making them more sturdy and dependable. Most companies use rope handles and rubber latches. The lid open up at a 45-degree angle while up against a hard surface, making them more user friendly.

- MC-70-W 70 Quart White
- MC-70-G 70 Quart Gray
- MC-70-T 70 Quart Tan

Features:

- Capacity (half ice, half beverages): 45 12-oz cans and 33 lbs ice
- Weight: (when empty): 38 lbs
- Inside Dimensions: (LxWxH): 26.375" x 12.125" x 13"
- Outside Dimensions: (LxWxH): 34.5" x 18.375" x 17.875"
- Divider: Included



MODEL	W.L.D.	BUOYANCY	CUBIC FT.	UPS
FC-20723R	20' x 72" x 8"	380	8.76	X
FC-2312	23' x 72" x 8"	439	10.1	X
FC-2316	23' x 72" x 16"	598	10.7	X
FC-2410	24' x 72" x 10"	719	13.3	X

TAKE UP REEL



Mercos cable take up reel can be used instead of a winch in many cases. Entire unit is hot dipped galvanized. Will house approx. 180' of 5/8" cable. Comes with 5/8" locking pin that can be locked with padlock. This take up reel is 2'6" tall, base and frame are 1/2" steel.

H-TUR Take Up Reel 140#

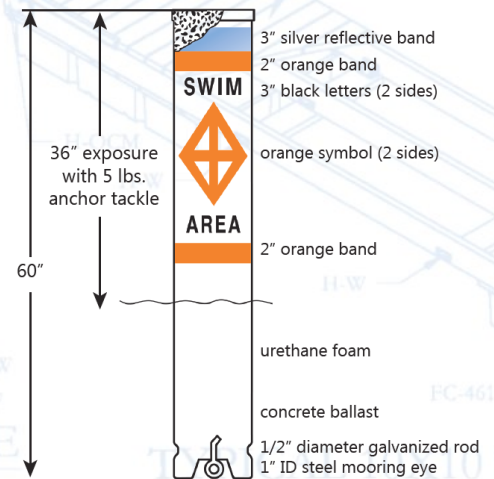
BENCH



It is nice to have a bench on the dock for that early morning cup of coffee or that late sunset. Our bench kit comes with bench ends only or complete with seats and back. Legs are hot dipped galvanized. Bolts directly to your dock. Bench seats and back are IPE. (Bolts to attach Bench to a dock are not included)

	Ship#		
BEN-ENDS	2 Bench Ends	30#	
BEN-4	4' Complete Bench	72#	

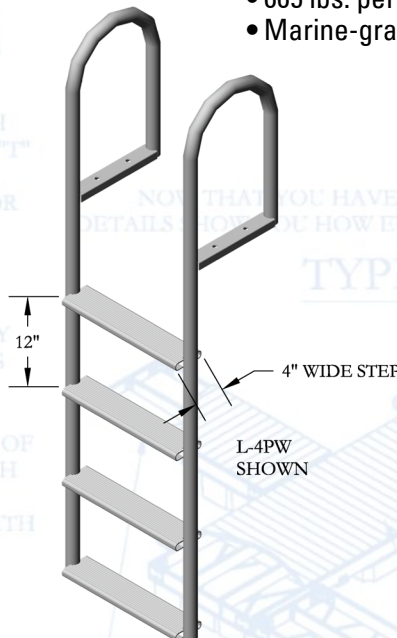
MARKER BUOYS



- MB-1** Slow 5 MPH
 - MB-2** Slow No Wake
 - MB-3** Rock
 - MB-4** Danger
 - MB-5** Danger Dam
 - MB-6** Swim Area
 - MB-7** Boats Keep Out
- 9" DIA.
Ship# 56

WIDE STEP LADDERS

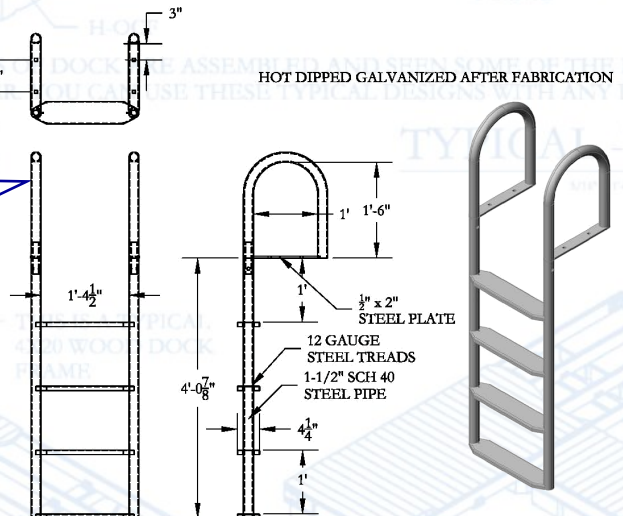
- 4" wide steps
- 665 lbs. per step
- Marine-grade aluminum



L-4PW	4 Step	30#
L-5PW	5 Step	70#

STEEL SAFETY LADDERS

Mercos galvanized steel ladders are a great way to add a ladder to your dock at a minimal cost. These ladders are great for emergency use. The hot dipped galvanizing on the steel ladder will last in most environments for a long time. The steps are 16-1/2" wide and 4-1/4" deep, 400 lbs per step weight capacity, and are available in 4 - 6 step models standard.



LM-4	4 Step Model	68#
LM-5	5 Step Model	75#
LM-6	6 Step Model	83#

Great For Sea Walls

LADDERS



LADDERS

All of our pipe ladders are constructed using 6063 T5 marine grade aluminum 1-1/4" and 1-1/2" pipe, tig welded for maximum strength. The ladder rung is extruded with grooves to give you a non-skid surface. Ladders can be used for both salt and fresh water applications and can be used for docks or seawalls. More information including ladder measurements available on our web site.

LIFTING LADDER

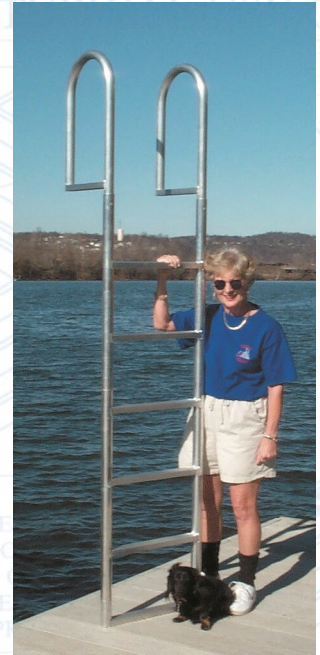


Our lifting ladder can be raised vertically to clear the water after each use. Out of the water, the treads stay clear of marine growth. The ladder features plastic coated lift cables, welded treads and rails to assure strength and rigidity. 300 lb. capacity - requires mounting bolts.

	Step	Ship#
L-5LL	5	70#

HEAVY DUTY DOCK LADDER

Our all aluminum welded ladders can be used on sea walls, stationary docks or floating docks. Will give you years of service. 300 lb. capacity. Requires mounting bolts.



	Step	Ship#
L-4P	4	30#
L-5P	5	70#
L-6P	6	70#

Mercos Marine's ladder was designed for docks, swim floats and float boats. It can be attached to almost anything that has a flat surface. The included quick release hardware allows it to be easily removed when not in use. Why Mercos's ladders and not someone else's?



- 250lbs. weight capacity
 - Marine grade aluminum construction
 - Heavy duty uprights (.060)
 - 304 stainless steel fasteners
 - Quick disconnect hardware included
 - Non-skid steps
- Quick Disconnect Shown below

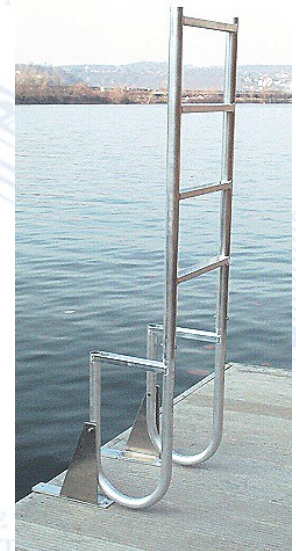


The L ladders slope away from the dock for ease of climbing. Ladders include the quick disconnect hardware and ship UPS.

	Ship#
L-4	30#
L-AK	1#

FLIP UP LADDER

This heavy duty all welded aluminum ladder flips up and out of the water. It has a stabilizer pin to remain in an upright position. Comes in 4, 5, and 6 steps. Requires mounting bolts.



Step	Ship#	Price
L-4S	4	30#
L-5S	5	70#
L-6S	6	70#



DOCK WHEELS

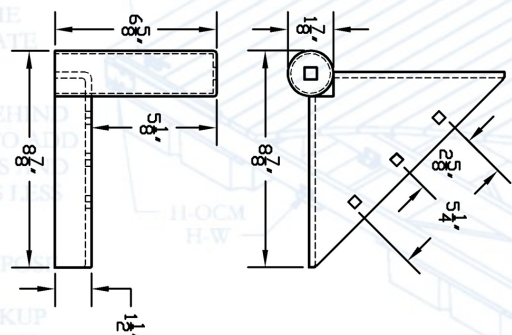
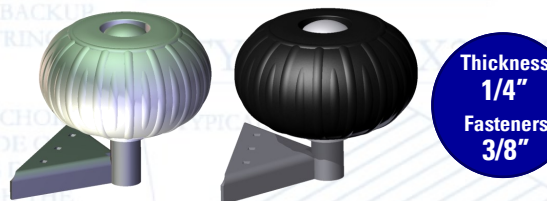
DOCK WHEELS

Merco Marine™ heavy duty corner wheel and brackets are made with galvanized steel and 1-1/2" schedule 40 center posts to take lots of punishment. All brackets include a heavy 12" vinyl inflatable wheel and have a special hub for wear. These wheels are great for docking especially when high winds and current make docking difficult. The DW-12HE and the DW-12HLE are designed for use with new construction dock. All other models can be a bolt on accessory to existing dock. The wheel comes standard in either black or white.

All DOCK WHEEL KITS come complete with vinyl wheel, bracket, and assembly components. (does not include fasteners to attach to your dock)

Replacement vinyl wheels:

Part #	Description	Ship#
DW-WHEELW	12" White wheel	3#
DW-WHEELB	12" Black wheel	3#

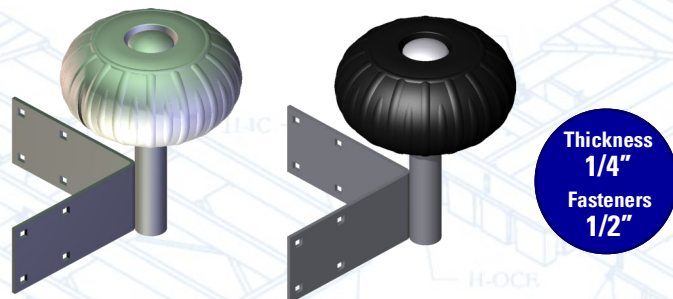


12" Dock Wheel & 1-1/2" Lip - Corner Use
Complete Kit Ship# 8
DW-12WD WHITE WHEEL
DW-12WD-B BLACK WHEEL



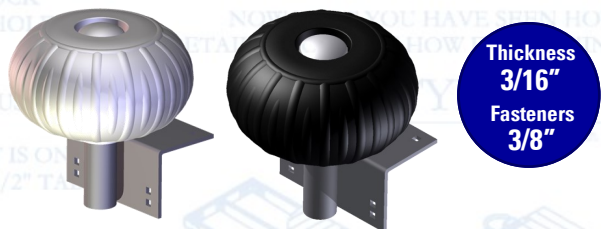
Complete Kit Ship# 11
DW-12 WHITE WHEEL
DW-12-B BLACK WHEEL

12" Dock Wheel & 4" Lip - Corner Use.

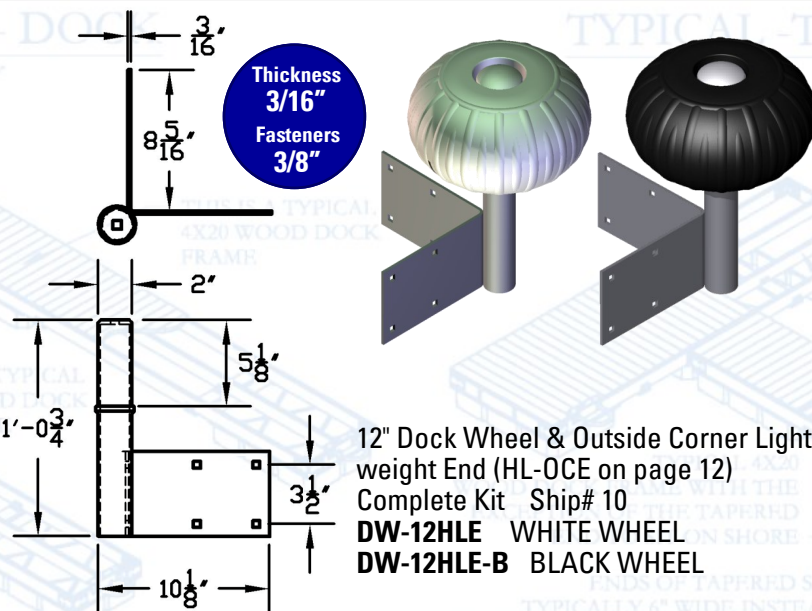
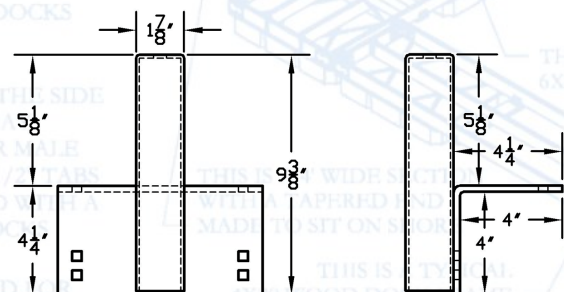


12" Dock Wheel & Outside Corner End (H-OCE on page 8)
Complete Kit Ship# 12
DW-12HE WHITE WHEEL
DW-12HE-B BLACK WHEEL

Note: Drawing for this wheel is almost the same as the DW-12HLE-B below except the bracket is an H-OCE seen on page 8



12" Dock Wheel & Straight Bracket
Complete Kit Ship# 8
DW-12S WHITE WHEEL
DW-12S-B BLACK WHEEL



12" Dock Wheel & Outside Corner Light-weight End (HL-OCE on page 12)
Complete Kit Ship# 10
DW-12HLE WHITE WHEEL
DW-12HLE-B BLACK WHEEL

RUBRAIL

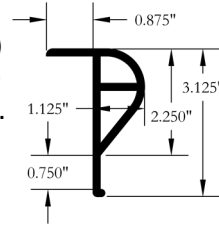
Mercob Marine™ has eleven different rubrail profiles. We designed our P style rubrail with a sloped bottom half. As boats rock up and down, they tend to glance off ours instead of tearing it off the dock. That is just the beginning. Our flexible PVC will not crack, rot or deteriorate when exposed to extreme temperatures. It is unaffected by oil, gas or saltwater and has UV inhibitors to prevent yellowing and deterioration from sunlight. Most important, it won't mark your boat. We even add a fungicide.

Stainless
8 x 1-1/4"
Phillips Head Screw
25 per package
B-RRS1



Our **DE-40W 40' Dock Edging** (shown right) comes in 4' sections - 10 per box (40' total) and includes 180 stainless ring shank nails.

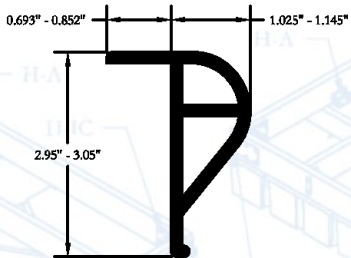
DE-40W White 40' Length 31 lbs



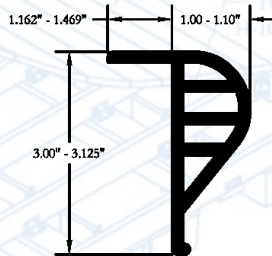
Stainless
1-1/2" Ring Shank
Large Head Nail
25 per package
B-RN



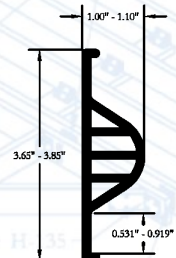
SEE OUR RUBRAIL IN USE ON PAGES 5-7 AND 57-63!



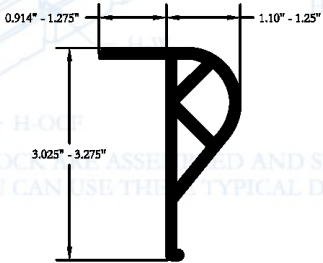
RR-5000 White 10' Length 7 lbs



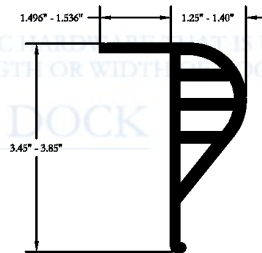
RR-5005 White 10' Length 11 lbs
RR-5005B Black 10' Length 11 lbs
RR-5005G Gray 10' Length 11 lbs



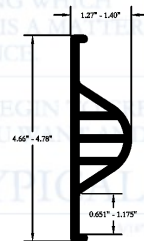
RR-5007 White 10' Length 10 lbs
RR-5007B Black 10' Length 10 lbs



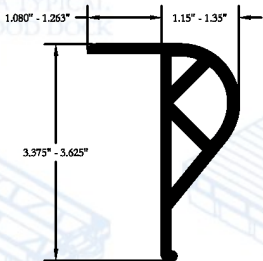
RR-5001 White 10' Length 9 lbs
RR-5001B Black 10' Length 9 lbs
RR-5001G Gray 10' Length 9 lbs



RR-5006 White 10' Length 14 lbs
RR-5006B Black 10' Length 14 lbs



RR-5008 White 10' Length 18 lbs
RR-5008B Black 10' Length 18 lbs



RR-5002 White 10' Length 11 lbs
RR-5002B Black 10' Length 11 lbs

Note: Only small 2" sample lengths shown below!



NEW RUBRAIL AND DECKING ON THIS OLD DOCK MADE IT LOOK BRAND NEW!



FREQUENTLY ASKED

"How many screws or nails do I need?"

Answer: You need about 2 packages of screws/nails per piece of rubrail. You should use 20 on top, 20 on bottom, and 2 per side. We recommend putting them in the middle of every deck board.

ALL RUBRAIL AVAILABLE IN 10' LENGTHS!

WOOD PILING BUMPERS

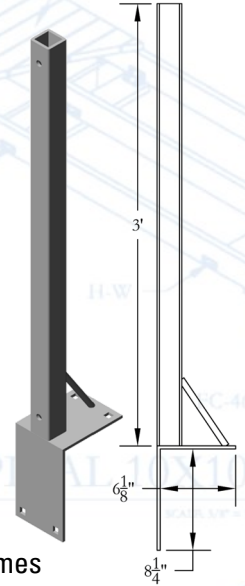
Our heavy duty polyethylene piling bumper comes 2 in a box with stainless ring nails to fasten to your wooden pile. 48" length - Blue or White.



RR-HDPB-B Blue
RR-HDPB-W White
 2 48" lengths per box 8lbs
 16lbs dimensional weight

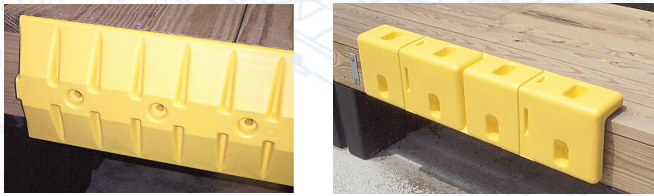
UPRIGHT BUMPERS

Protect your boat with Merco's heavy duty uprights. They extend 3' above the dock and 2' below. Attach a 2" x 6" and our RR-5007 hot dipped galvanized.



H-UPW designed for wood dock
 Ship# 18
H-UPT designed for our truss frames
 Ship# 20

HIGH IMPACT BUMPERS



Merco Marine's edge and side protectors are blow molded from high density polyethylene, have excellent cold impact and chemical resistance and are UV protected. Attach with 3/8" lag or carriage bolts (not included). Yellow color.

RR-426 42" long - 4" top x 6" side Ship# 8
RR-7210 72" long - 10" high x 2" thick Ship# 14

CORNER BUMPERS



Merco's tough marine grade vinyl corner bumpers are structurally designed to allow impact but pliable enough so not to damage your boat. They are available in white, black, and gray and have U.V. and fungicide protection and measure 9-1/2" x 9-1/2" x 3-1/4". Manufactured using liquid vinyl—the same material used in our dock wheels (page 50).

CB-W Corner Bumper Ship# 3 White
CB-B Corner Bumper Ship# 3 Black
CB-G Corner Bumper Ship# 3 Gray



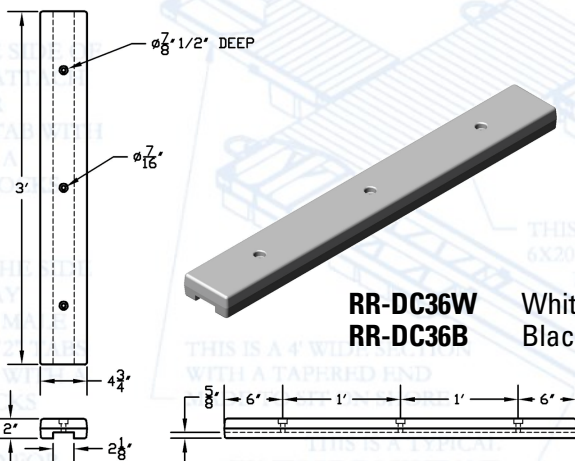
Ask your sales rep about custom names and branding!
 (Available in order quantities of 500 or more)



BUMPERS

Merco's 3' dock cushions come in either white or black, are made from high density-high impact polyethylene and have a

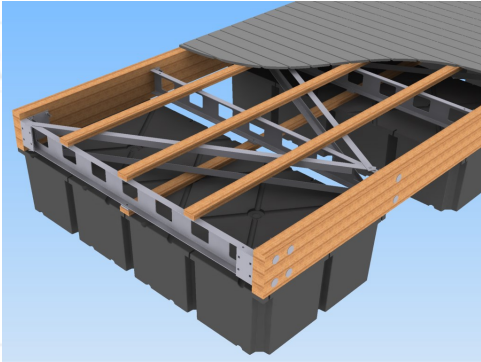
2" groove for 2" square tubing. Can also be bolted to flat surfaces.



RR-DC36W White Ship# 2
RR-DC36B Black Ship# 2

TRUSS AND WOOD

Merco Marine's heavy duty dock can be shipped by truck and easily assembled on site. The system uses 3/16" truss inner frame cross members and angle supports every 4'. 4" x 12" nominal (3-1/2" x 11-7/8" actual size) timbers are used for side stringers. The system is bolted together using 5/8" bolts. Doubled 2 x 12 can be substituted for the timber.



FEATURES:

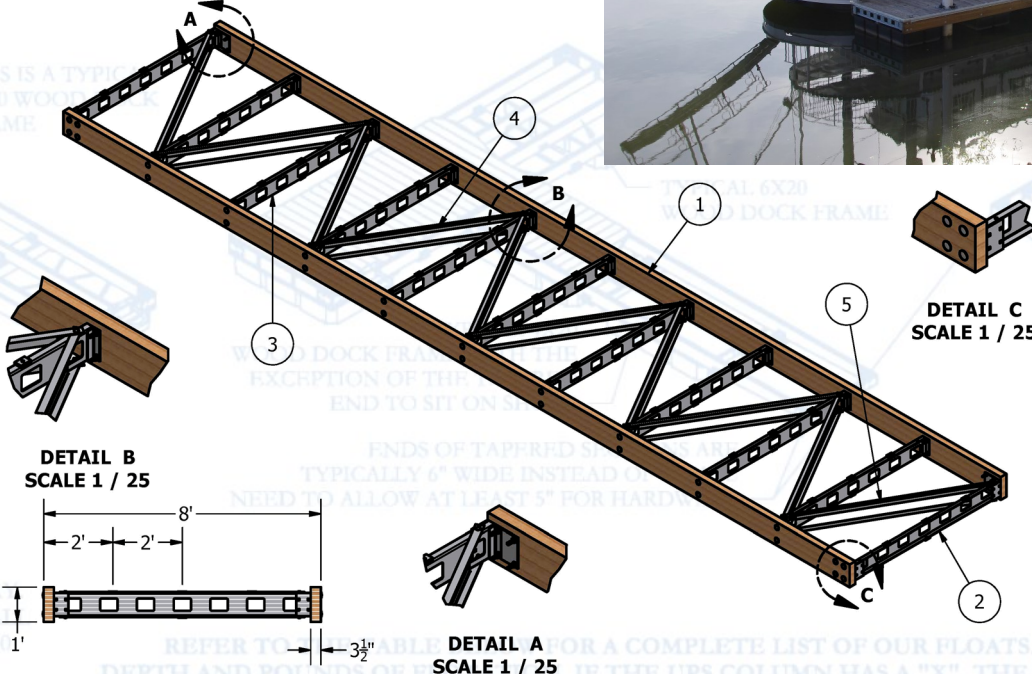
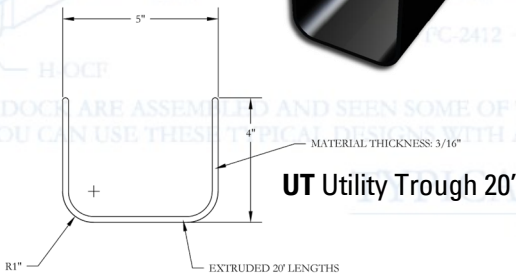
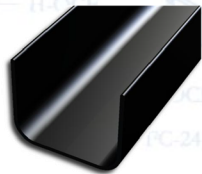
- Can be built in 2', 3', 4', 5', 6', and 8' widths.
- Interior framing is made of 3/16" steel hot dipped galvanized after fabrication. Bolts to side stringers using 5/8" bolts.
- Lengths up to 50'
- Many decking and accessory options available
- End connectors can be bolted to create "hinge points"
- Glue lam side stringers are 4" x 12" (3-1/2" x 11-7/8" actual) or substitute double 2" x 12" lumber



Merco has developed a Utility Trough for this type of dock construction that provides a place to run utilities through your dock such as power, cable, ect. Available in 20' lengths.

CALL FOR A CUSTOM LAYOUT AND PRICING.

The marina above and the sternwheeler dock below were both constructed using our truss and wood system.

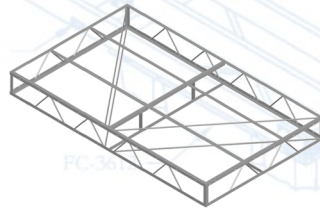
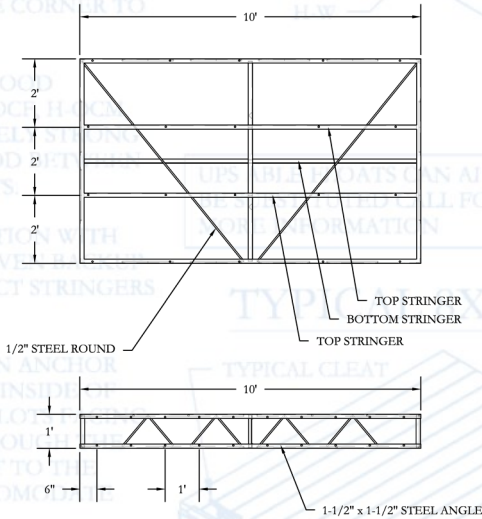


Parts List for an 8'x40' section		
Item	Part Number	Qty
1	4"x12"x40' Parallam Beam	2
2	PAR-EMP8	2
3	PAR-CM8	9
4	PAR-DB8	20

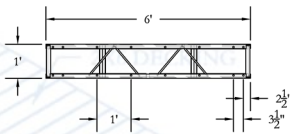
TRUSS AND WOOD

TRUSS FRAME DOCK

Almost anyone can weld angle together and call it a dock. At Merco Marine™ we have designed a system using 1-1/2" x 1-1/2" x 3/16" angle and 1/2" round bar that make a rigid system. The pre-punched holes make it easy to bolt sections together with 1/2" x 1-1/2" bolts. A punched system on top allows a nailer strip to be bolted to the top frame and decking can then be nailed or screwed to this nailer. All frames are hot dipped galvanized after welding. Frames can be purchased un-galvanized for the do-it-yourselfer that want to paint it themselves. Our frames are 10' in length and 12" high and come in 2'-3'-4'-5'-6'-8' widths. Special custom sizes are also available. Hinges, pile holders and other accessories are available.



Drawing of TF-610



1-1/2" x 1-1/2" x 3/16" Angle Truss Frames

		Ship#
TF-210	2' x 10' Truss Frame	148#
TF-310	3' x 10' Truss Frame	157#
TF-410	4' x 10' Truss Frame	174#
TF-510	5' x 10' Truss Frame	225#
TF-610	6' x 10' Truss Frame	243#
TF-810	8' x 10' Truss Frame	292#

2" x 2" x 3/16" Truss Frames

		Ship#
TF-210-2	2' x 10' Truss Frame	166#
TF-310-2	3' x 10' Truss Frame	207#
TF-410-2	4' x 10' Truss Frame	230#
TF-510-2	5' x 10' Truss Frame	319#
TF-610-2	6' x 10' Truss Frame	332#
TF-810-2	8' x 10' Truss Frame	410#

HEAVY DUTY!

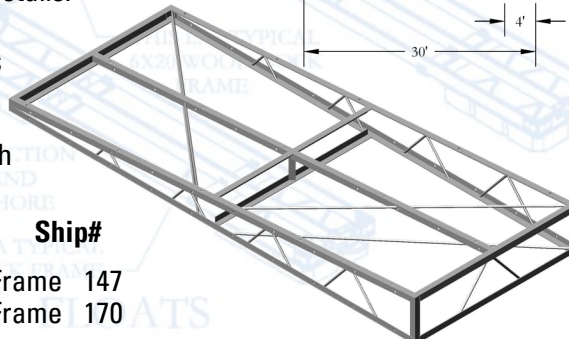


**We sell 100's of Truss Frames each year!
Many are Custom – Call one of our sales team to see what suits your needs.**

TRUSS FRAME LAYOUTS

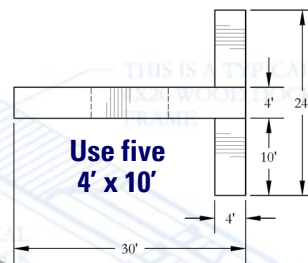
These are only a few of the layouts you can do with truss frames. Truss frames are easier to construct dock with. Bolt frames together then add floats and decking. The decking you can buy locally and save shipping costs. Call one of our sales specialists for details.

Mercó's Tapered Truss sections are 3" at the tapered end and 12" at the other end. They are great for ramps and come in both 3' and 4' wide x 10' long.

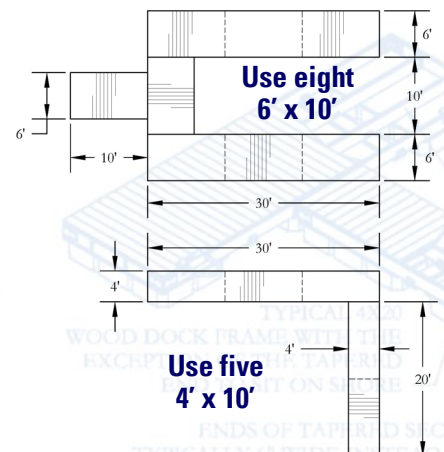


Ship#

TF-310T	3' x 10' Tapered Truss Frame	147
TF-410T	4' x 10' Tapered Truss Frame	170



Use five
4' x 10'



Use eight
6' x 10'

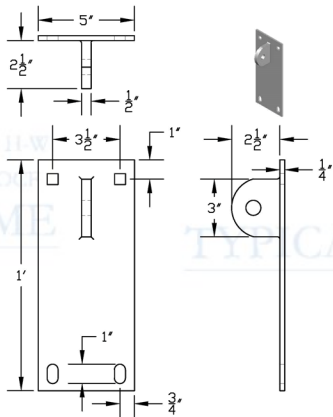
Use five
4' x 10'

TRUSS FRAME DOCK

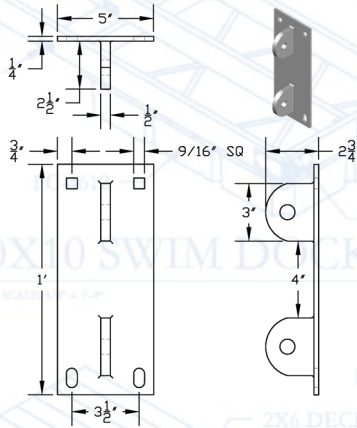


TRUSS DOCK ACCESSORIES

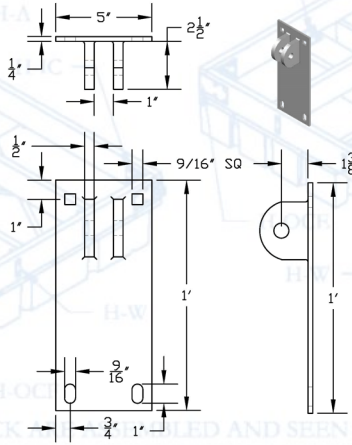
TRUSS DOCK ACCESSORIES



TF-HM (MALE)



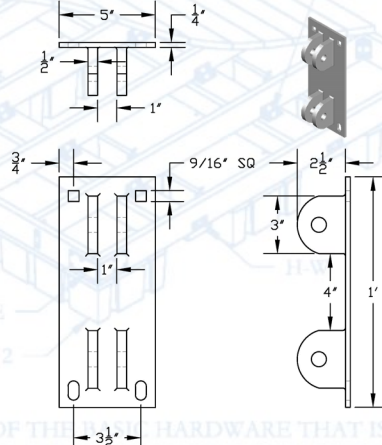
TF-HMD (MALE)



TF-HF (FEMALE)

You can easily hinge truss sections together with our hinge assemblies. Male and female tab plates bolt directly to the truss frames. Use a B-HB3 (3/4" bolt) or B-PIN (connector pin) to connect together.

	Ship#
TF-HF	7#
TF-HM	6#
B-PIN	1#



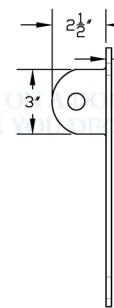
TF-HFD (FEMALE)

Sometimes you need to attach dock sections together and don't want them to hinge. Using our double tab plates and 3/4" bolts or B-PIN, sections remain rigid.

	Ship#
TF-HFD	9#
TF-HMD	7#
B-PIN	1#

HEAVY DUTY TRUSS HARDWARE

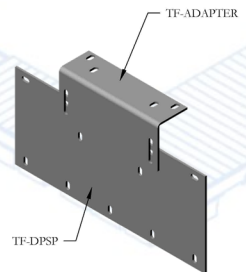
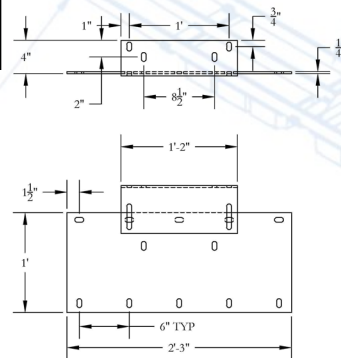
Sometimes you need the option to beef up your hinge plates. We've added Heavy Duty truss plates that are the same configuration as our TF-HM & TF-HF hardware with one difference. The plate, which is normally 1/4" on our standard hardware is 3/8".



	Ship#
TF-HD-HM	9#
TF-HD-HF	10#

When using this thicker hardware keep in mind the thicker plate adds a total of 1/4" to every hinge location. This might not seem like a lot but over the length of your dock could add up quickly.

TRUSS DECK PLATES



TF-ADAPTER
TF-DPSP

Mercob manufactures so many different types and sizes of hoops that all have their own mounting plate but most of those were designed for wood dock. With the setup shown here you can take any of our hoops and mount it to a truss frame.

You can use the TF-DPSP by itself and it has slots to attach a roller assembly but when you mount the roller assembly on the face of the plate you lose 2-1/4" off the length diameter of the hoop. That's where the TF-ADAPTER comes in. The adapter allows the roller assembly to be mounted to the top of the dock, just like all of our other hoops. The long slots in the face allow for several different sleeper and decking setups. The adapter works using anything from 3/4" plywood, all the way up to 2x4 sleepers and 2x6 decking (totaling 3").



TRUSS DOCK ACCESSORIES

FINGER STABILIZER



Mercó's truss finger stabilizer is easy to attach and really stiffens up fingers. Made from 1 1/2" x 1 1/2" x 3/16" angle, it extends down the finger and dock 30".

TF-FS Ship# 23

Step by step picture instructions Included when you buy truss frames to assemble yourself.

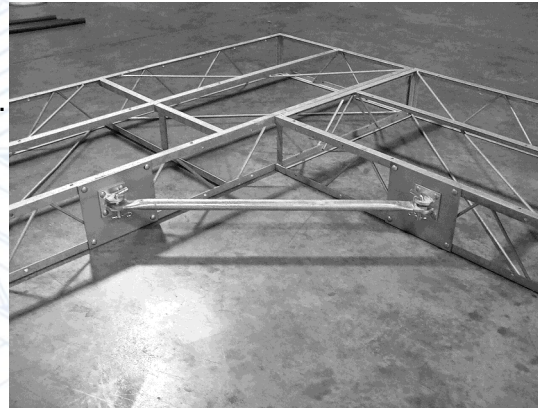


TRUSS PIPE FINGER STABILIZER

Our pipe type finger stabilizer uses 2 - H-SF (Single "T" Female), 2 - H-AP (Attachment Plates) and 1 - H-FSP (4' x 1 1/2" pipe). Attach with B-PIN or B-HB3.

- H-FSP** Finger Stabilizer Pipe 12#
- H-AP** 2-Attachment Plates 20#
- H-SF** 2-Single "T" Female 8#
- B-PIN** 2-Connect Pins 1#
- H-FSCOM** Finger Stabilizer complete with Bolts and Pins and includes all hardware listed above.

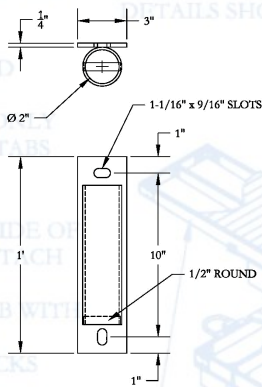
Ship#



TF-P3

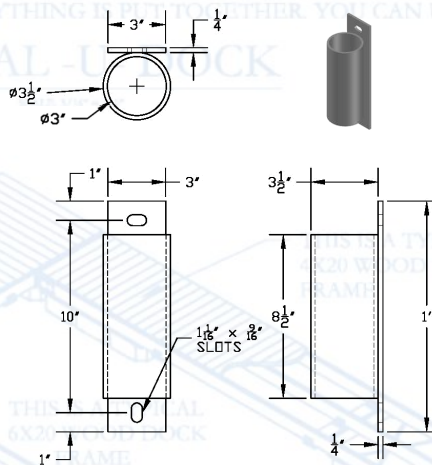


TRUSS FRAME HANDRAIL PIPE HOLDER



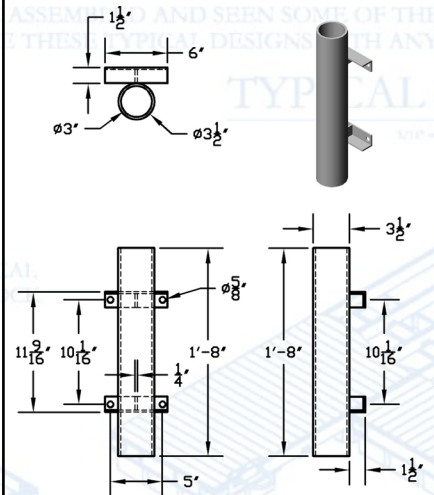
This pipe holder has a stop in the bottom for 1-1/2" hand rail uprights. Bolt directly to truss frame side. Use with Hollaender fittings.
TF-PH Ship# 10

TRUSS FRAME 3" PIPE HOLDER



This pipe holder bolts directly to truss frame side and is used with 2" SCH 40 pipe to hold a dock in place. See picture above and to the right.
TF-P3 Ship# 10

TRUSS FRAME INSIDE PIPE HOLDER



Bolt this pipe holder to the inside of a truss frame. Uses 2" pipe.
TF-P320 Ship# 15



TRUSS DOCKS

All of the projects below and continued on page 58 are constructed using our galvanized steel truss frame dock systems which can be found on pages 54-56. They are all either 1-1/2" angle or 2" angle



Homeowners Dock in Pennsylvania



Marina in Michigan



Marina in Pennsylvania



Marina in Michigan



Marina in North Carolina



Marina in Ohio



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MODEL	W. L. D.	BUOYANCY	CUBIC FT.	UPS
FC 2072M				
FC 2312				
FC 2316	2' x 3' x 16"	442	8.0	X
FC 2412	2' x 4' x 12"	434	8.0	
FC 2414	2' x 4' x 12"	598	10.7	X

MODEL	W. L. D.	BUOYANCY	CUBIC FT.	UPS
		937	16.0	
		1,220	21.3	
FC 4420	4' x 4' x 20"	1,520	26.6	
FC 4424	4' x 4' x 24"	1,799	31.9	
FC 4512	4' x 5' x 12"	1,190	20.0	

TRUSS DOCKS



Dam Fishing Pier



Marina in Chicago, IL



Marina in Ohio



American Queen in Wellsburg, WV



Marina in Pittsburgh, PA



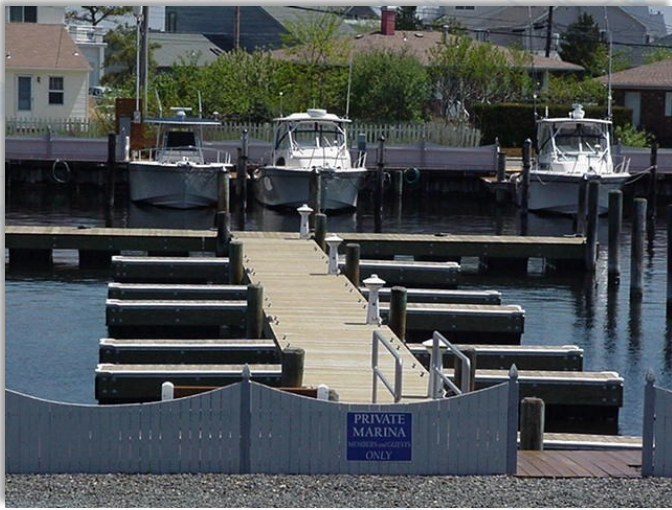
National Park Canal Boat Docks



Boy Scout Camp in Missouri



TRUSS AND WOOD DOCK



Marina using Truss and Wood Dock



Yacht Club in Pittsburgh, PA



8' x 10' Section



Floating Boathouse



Partial Truckload of Truss and Wood Dock Ready to ship

MERCO DONATIONS

We try to support organizations in any way we can that we feel deserve it. We have donated to several different local and state level agencies and organizations throughout our years in business. Some of these organizations include the following:

- Wheeling Fire Department
- Deerasic Park Cambridge, Ohio
- Wheeling Vintage Raceboat
- Wheeling Dragon Boat Race
- Brooke County Committee on Aging
- New Martinsville Records Challenge & Regatta
- City of Wellsburg, West Virginia
- Boy Scouts of America
- Pine Valley Sportsmans Club
- Steel City Rowing
- Brooke County, WV Sheriff



NEW BOAT DOCK
BROOKE COUNTY, WV

Shown above are the owners of Merco Marine Scott Gallagher and Dan Otto accompanied by a representative from the Brooke County Sheriff department receiving a brand new dock donated by Merco Marine in the spring of 2018. The dock is utilized by not only the Sheriff but also local fire departments and the WVDNR.



DOCK ACCESSORIES



Stationary Dock (pages 29-31)



Pile Caps (page 39)



Ladders (pages 48-49)



Corner Bumpers (page 52)



Truss Frame Hardware (page 55)



Pile Guides (pages 20-27)



Power Posts (page 46)



Bumpers (page 52)



Concrete Pavers (page 47)



Cleats (page 45)



Dock Wheels (page 50)



Floats (page 34)



Pump Docks (page 33)



FISHING PIERS



Merco's Fishing Piers can be assembled in almost unlimited shapes and sizes. They are ADA compliant and in most cases have "drop downs" in the handrail sections for easy ADA access. We have private homeowners, state parks, and commercial marinas using these types of systems all over the country. These systems are great for all types of fisherman.



FLOATING BUILDINGS



2 Story, Marina Offices, Restrooms, & Vending



Floating Home in OH



Mobile Floating Cabin



Several Floating Homes on Lake Erie



Covered Boat House for Patrol Boats



Floating Home in KY



MODEL	W	L	D	BUOYANCY	CUBIC FT.	UPS	MODEL	W	L	D	BUOYANCY	CUBIC FT.	UPS
FC 2072M							FC 437				937		160
FC 2312							FC 4420	4'	4'	20"	1,220		21.3
FC 2316	2'	3'	16"	442	8.0	X	FC 4424	4'	4'	24"	1,520		26.6
FC 2412	2'	4'	12"	434	8.0	X	FC 4512	4'	5'	12"	1,799		31.9
FC 2416	2'	4'	16"	598	10.7	X					1,190		20.0

OUR MANUFACTURING FACILITY

Merco Marine™ manufactures all of our own galvanized steel hardware. All of our welders have had additional training and are all certified welders. All of our items are hot dipped galvanized after fabrication and will last for years.



Anglemaster



Robotic Welder



Hydraulic Press



Warehouse



High Definition Plasma Table



10' Sheer



CNC Iron Worker



Pipe Benders



Shipping

When you do business with Merco, you are buying direct from the manufacturer. We are the manufacturer of all of our dock hardware, there are no third or fourth parties to deal with. The pictures above include machinery that we use here at our plant in Wellsburg, WV to manufacture all of our galvanized steel dock components and accessories. Starting top left: The **Anglemaster** is a CNC automated iron worker that punches holes in angle iron or flat steel at any pre-programmed location on the material 40' at a time. The **Robotic Welder** is set up to automatically weld most of our common products. The **CNC Hydraulic Press** can bend flat steel up to 10' long and ½" thick at any angle. The **10' Sheer** is used to cut metal up to ½" thick and 10' wide. In our storage Warehouse we stock everything we sell for very fast shipping to our customers. Our **High Definition Plasma Table** is a computer controlled plasma system that we use to cut deck plates, tabs, special hardware and much more. The **CNC Iron Worker** is programmed to punch holes for many of our parts. Our two automated Pipe Benders can bend 1", 1-½", and 2" pipe or round stock from 8" to 20" in diameter. Merco produces over 65 types of hoops and pipe holders with this machine. Our more popular dock components are stored in our **Shipping** department for fast delivery. We ship UPS, FedEx for small orders. Large orders usually ship via several common carrier commercial trucking companies. Most orders go out the same day as they are received.





Homeowners Dock in Pennsylvania



Party Dock in Tennessee



Homeowners Dock in Connecticut



Watershed Conservancy Launch docks in Ohio

MISS MERCO MARINE

Merco Marine™ sponsors a 5.0 liter hydroplane named Miss Merco Marine. In the fall of 2013 Miss Merco established a new U.S. 1/4 mile record for 5 liters in New Martinsville, WV which still remains unbroken. In 2015 John set a new 1/4 mile record in the Grand National Class and was also the high point champion in that class.



EVENT DOCKS



Every year Merco provides hundreds of feet of temporary event dock to several weekend boating events. The picture shown to the left is the Wheeling Vintage Raceboat Regatta held once a year on Labor Day weekend in Wheeling, WV. The docks are stored at a marina throughout the year. A week before the regatta, we send a crew to transport and anchor the docks in place on site. The same dock is used for another event the following weekend for the Wheeling Sternwheeler festival. Give us a call today for more information about these types of systems for your event! If you're interested in renting some dock just give us a call at the number below.

www.mercoboatdocks.com • 1-304-737-3006



MODEL	W	L	D	DEPTH	POUNDS
FC 2072M	2	3	16"	8.0	160
FC 2312	2	3	16"	8.0	213
FC 2316	2	3	16"	8.0	266
FC 2412	2	4	12"	8.0	319
FC 2416	2	4	12"	8.0	372
FC 2418	2	4	12"	8.0	425
FC 2420	2	4	12"	8.0	478
FC 2422	2	4	12"	8.0	531
FC 2424	2	4	12"	8.0	584
FC 2426	2	4	12"	8.0	637
FC 2428	2	4	12"	8.0	690
FC 2430	2	4	12"	8.0	743
FC 2432	2	4	12"	8.0	796
FC 2434	2	4	12"	8.0	849
FC 2436	2	4	12"	8.0	902
FC 2438	2	4	12"	8.0	955
FC 2440	2	4	12"	8.0	1008
FC 2442	2	4	12"	8.0	1061
FC 2444	2	4	12"	8.0	1114
FC 2446	2	4	12"	8.0	1167
FC 2448	2	4	12"	8.0	1220
FC 2450	2	4	12"	8.0	1273
FC 2452	2	4	12"	8.0	1326
FC 2454	2	4	12"	8.0	1379
FC 2456	2	4	12"	8.0	1432
FC 2458	2	4	12"	8.0	1485
FC 2460	2	4	12"	8.0	1538
FC 2462	2	4	12"	8.0	1591
FC 2464	2	4	12"	8.0	1644
FC 2466	2	4	12"	8.0	1697
FC 2468	2	4	12"	8.0	1750
FC 2470	2	4	12"	8.0	1803
FC 2472	2	4	12"	8.0	1856
FC 2474	2	4	12"	8.0	1909
FC 2476	2	4	12"	8.0	1962
FC 2478	2	4	12"	8.0	2015
FC 2480	2	4	12"	8.0	2068
FC 2482	2	4	12"	8.0	2121
FC 2484	2	4	12"	8.0	2174
FC 2486	2	4	12"	8.0	2227
FC 2488	2	4	12"	8.0	2280
FC 2490	2	4	12"	8.0	2333
FC 2492	2	4	12"	8.0	2386
FC 2494	2	4	12"	8.0	2439
FC 2496	2	4	12"	8.0	2492
FC 2498	2	4	12"	8.0	2545
FC 2500	2	4	12"	8.0	2598



Floating Boat Dock Manufacturer

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E: merco@mercomarine.com

AMERICAN MADE & MANUFACTURED

When you do business with Merco, you are buying direct from the manufacturer.

Everything we manufacture is made in the USA with U.S. workers and U.S. Steel. All of our items are hot dipped galvanized after fabrication and are made to last for years.



Trusted by big names. Never losing focus on individuals. **Every job matters to Merco.**



U.S. AIR FORCE



US Army Corps of Engineers®



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