

TRIMET INDUSTRIES

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MI DOCK is manufactured by Trimet Industries in Traverse City, MI. This dock system is the only one you will ever need because it will last a lifetime. MI DOCK offers a wide variety of applications including; boat docks, work platforms, catwalks, gangways, mobile steps, handicap ramps and walkways. MI DOCK is the perfect system for any inland lake or one of Michigan's Great Lakes.

The MI DOCK systems allow for custom design layouts with easy set up and assembly. If you prefer a different dock layout each season the system can be installed in multiple configurations. The docks are made of welded aluminum construction for durability in the tough Northern Michigan weather. The dock and leg assemblies are constructed to withstand weights up to 2190 lbs. per section.

MI DOCK has a variety of accessories to meet your recreational lake life needs:

- Kayak racks
- Benches
- Step ladder and raft ladders
- Dock bumpers and cleats
- Auger pole kits and flag kits

The dock uses Sure Step non skid vinyl decking that is made of:

- UV resistant polypropylene
- Slip resistant for a safer surface in any marine environment
- Available in four different colors and three sizes
- Barefoot friendly
- Resistant against fading, splintering or warping
- Environmentally friendly pattern designed for sunlight, wind and water penetration.

MI DOCK COMES WITH A LIMITED FIVE YEAR WARRANTY FOR ALL MANUFACTURED PARTS.

THE WARRANTY DOES NOT COVER ANY STORM DAMAGE.











GILL-ROYS CATWALK



PLATFORMS



LOADING DOCK



VENUE PLATFORMS



GRAND TRAVERSE CIVIC CENTER
HANDICAP RAMP

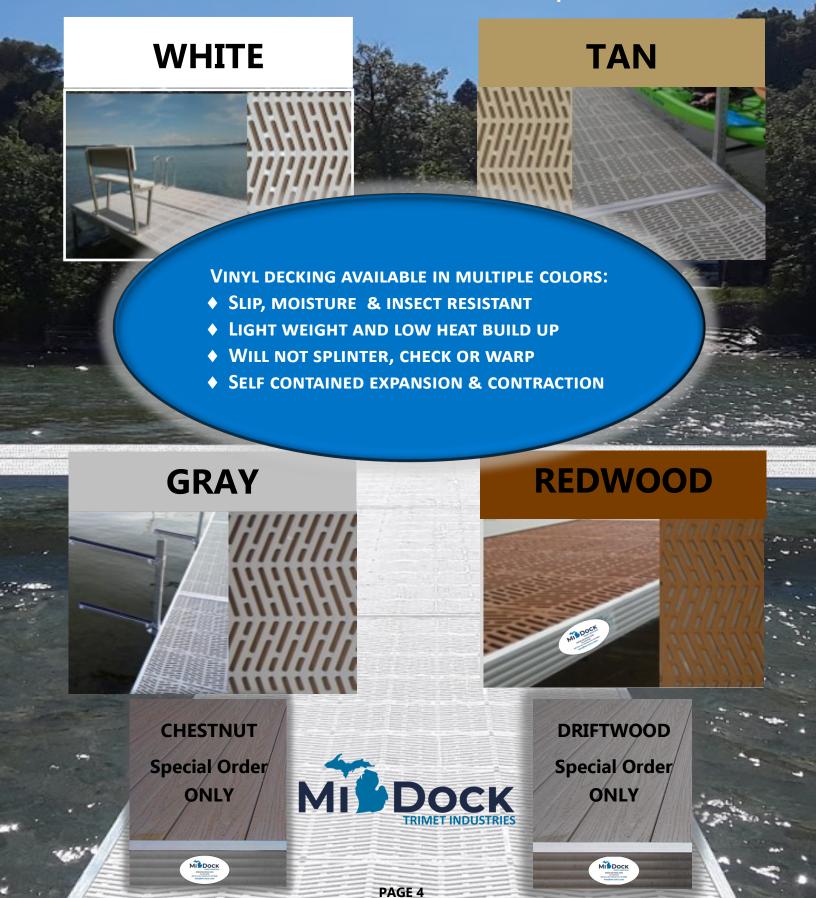


U.S. COAST GUARD
AIR STATION GANGWAY



Vinyl available in four stock colors of white, tan, gray and redwood.

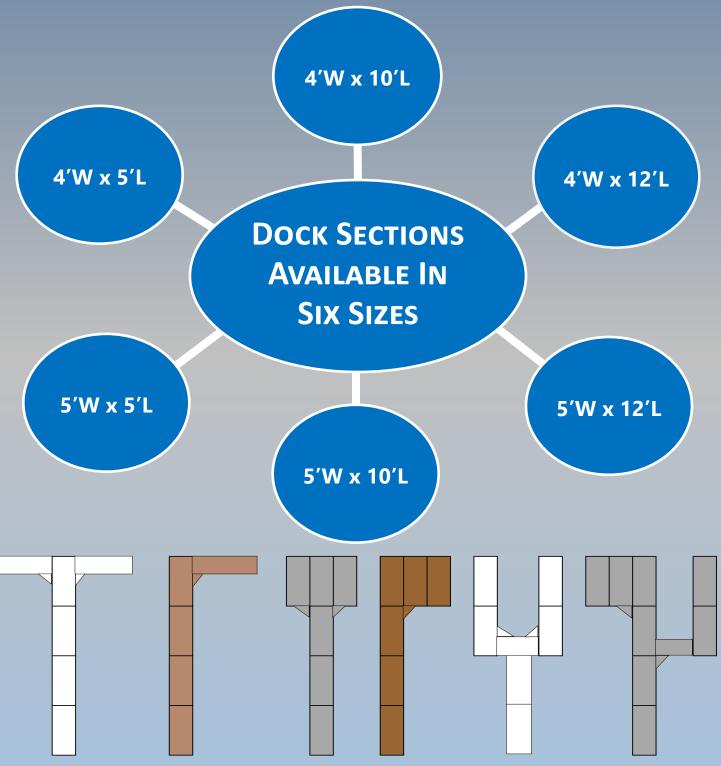
Custom colors of driftwood and chestnut are special orders.





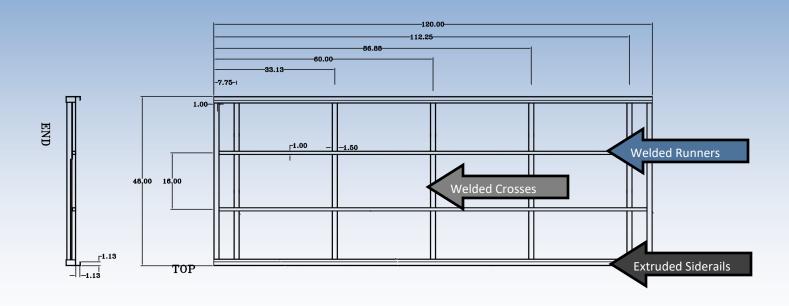
Dock Sections are available in six sizes.

This allows for multiple configurations and design layout.

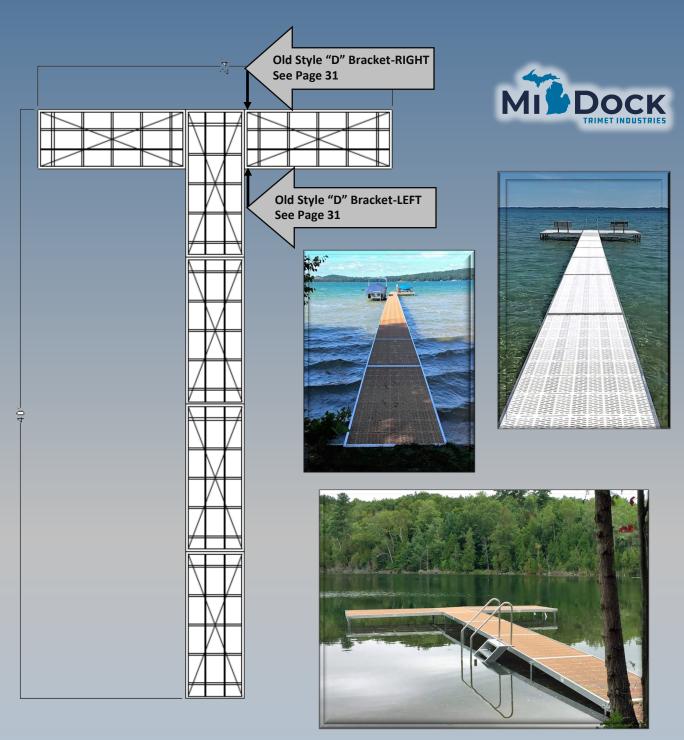


EXAMPLES OF DOCK LAYOUT CONFIGURATIONS. FOR DETAILS SEE PAGES 7-9.

MI DOCK are manufactured of welded aluminum construction and designed for easy assembly and installation. Six dock lengths and widths allow for multiple configurations. MI DOCK is an all Michigan manufactured product with both the aluminum and vinyl decking both made in Michigan.



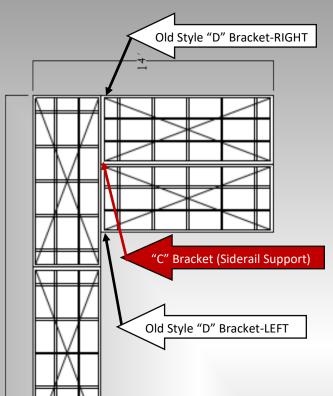




6 SECTION "T"

<u>Qty</u>	<u>PN</u>	<u>Description</u>
6	dda4x10	4'x10' Dock Sections (Choose Color)
3	dla4f24	2'-4' Leg Assemblies **
3	dla4f36	3'-6' Leg Assemblies **
2	dbrkt-D Old	"D" Brackets-Old Style (Set)
3	dec4f	4' End Cap

^{**} Leg size is dependent on water depth and will vary.



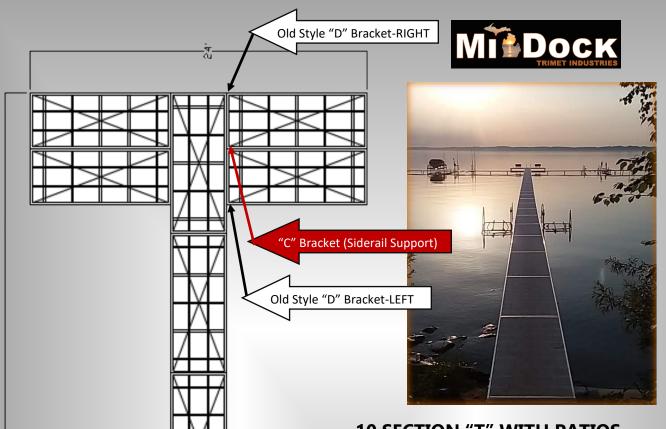


7 SECTION WITH PATIO

Qty	<u>PN</u>	<u>Description</u>
7	dda4x10	4'x10' Dock Sections
3	dla4f24	4' W by 2'-4'H Leg Assemblies **
2	dla4f36	4'W by 3'-6'H Leg Assemblies **
1	dla8f36	8'W by 3'-6'H Leg Assembly **
1	dbrkt-D Old	"D" Brackets-Old Style (Set)
1	dbrkt-C	"C" Bracket
1	dec8f	8' End Cap
1	dec4f	4' End Cap

** Leg size is dependent on water depth and will vary.





10 SECTION "T" WITH PATIOS

<u>Qty</u>	<u>PN</u>	<u>Description</u>
10	dda4x10	4'x10' Dock Sections
4	dla4f24	4' W by 2'-4'H Leg Assemblies **
2	dla4f36	4'W by 3'-6'H Leg Assemblies **
2	dla8f36	8'W by 3'-6'H Leg Assembly **
2	dbrkt-D Old	"D" Brackets-Old Style (Set)
2	dbrkt-C	"C" Bracket
2	dec8f	8' End Cap
1	dec4f	4' End Cap

** Leg size is dependent on water depth and will vary.



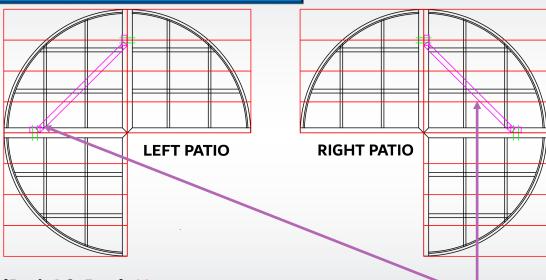


ROUND PATIO

PN: dPatio (Right or Left)

- Available in white, tan, gray and redwood
- Three sections required for complete patio

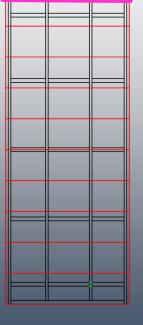




PN: dPatioLA-Dock ***
Leg Assembly for Dock
Section of Round Patio

** Leg height will vary by water depth





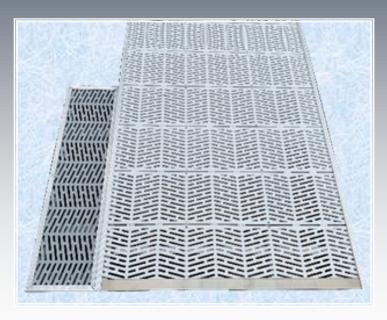
PN: dPatioLA **
Leg Assembly for Round Patio

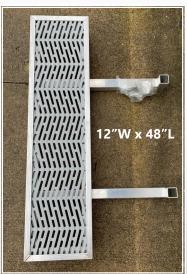
** Leg height will vary by water depth

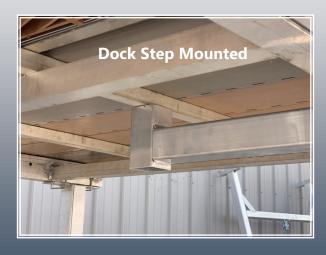


DOCK EXTENSION STEP 12"X 48" PN: dstep

Available in white, tan, gray and redwood.







HARDWARE REQUIRED:

dstep-dock step

- 2 -5/16 x 3 Bolt
- 2 -5/16 Lock Washer
- 2-5/16 Brass Nuts
- 2-3/8 Quick Pins



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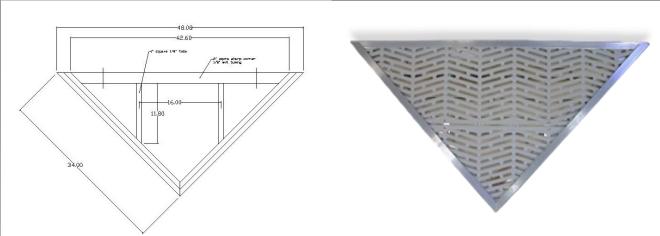


CORNER SECTION

PN: dcorner-with brackets

Available in white, tan, gray
and redwood. Custom colors
of driftwood and chestnut are
a special order.

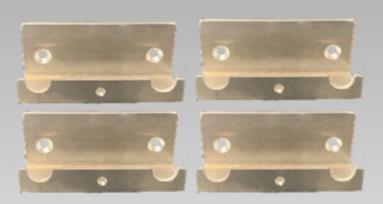




HARDWARE REQUIRED:

Corner Section D Bracket, 4 per

- 8-5/16-18 x 3 SS Flathead Cap Bolt
- 8- 5/16-18 Brass Hex Nuts
- 8-5/16 Split Lock Washer, SS
- 4-5/16-18 x 1 SS Hex Bolt



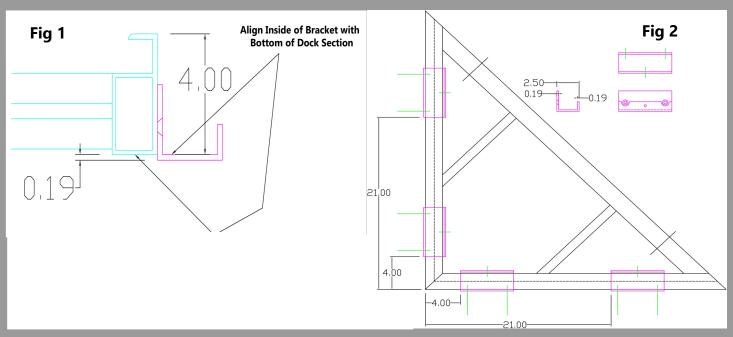


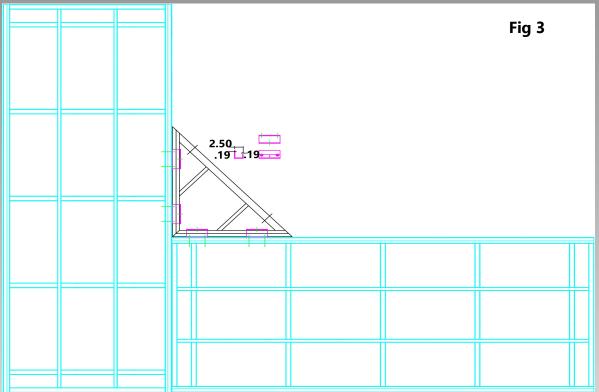
CORNER SECTION INSTALL INSTRUCTIONS:

FIG 1: PLACEMENT OF BRACKET ON DOCK SIDERAIL

FIG 2: PLACEMENT OF BRACKETS ON CORNER SECTION SIDERAIL

FIG 3: PLACEMENT OF CORNER SECTION WITH BRACKETS ON DOCK SECTION







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PN	Width	Adjustable Height	Adjustable Height	Adjustable Height	Adjustable Height
dLA4	4′	1′-2′	2'-4'	3'-6'	4'-8'
dLA5	5′	1′-2′	2'-4'	3'-6'	4'-8'
dLA8	8′	1′-2′	2'-4'	3'-6'	4'-8'
dLA12	12′	1′-2′	2'-4'	3'-6'	4'-8'
dLA16	16′	1′-2′	2'-4'	3'-6'	4'-8'
dLA20	20′	NA	NA	3'-6'	4'-8'



HARDWARE REQUIRED: LEG ASSEMBLY

PN: dLA Leg Assy, 1 per

2- 1/2-13 X 1.5 HCS Grade A 2- 1/2-13 Fin Hex Nut 4- 3/8 X 2.5 SW Tab Lock Pin

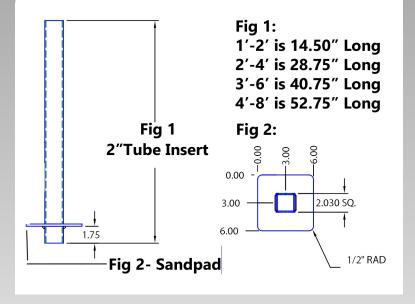




All Welded Aluminum Construction

LEG ASSEMBLY INSERT

PN: dleg-insert 3-6 dleg-insert 4-8 dleg-insert 6' dleg-insert 8'







PATIO LEG TRUSS:

PN: dLA8 (8'L) dLA12 (12'L) dLA16 (16'L) dLA20 (20')

Patio leg trusses are welded from continuous lengths of aluminum for wider stance dock sections. With the exception of the dLA20 (20') which is welded from two pieces. The trusses add strength and stability to the patio configurations.

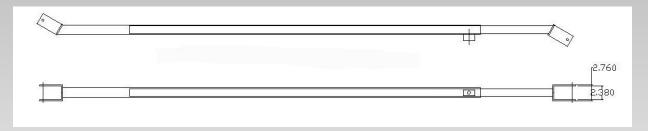




The Leg Support Bracket gives additional support to the patio leg trusses. The bracket is used for additional support in rough water and stabilizes the system.

HARDWARE REQUIRED: Leg Support, 1 per PN: dleg-supp brkt

- 2-3/8-16 x 3-1/2 SS Hex Bolt
- 2- 3/8-16 Brass Hex Nuts
- 2- 3/8 Split Lock Washer, SS
- 1- 1/2-13 X 1.5 HCS Grade A
- 1- 1/2-13 Fin Hex Nut



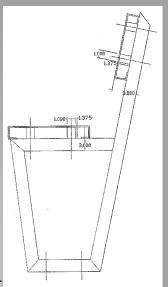
BENCH WITH ON/SIDE DOCK MOUNT

PN: dbench

Available in white, tan, gray and redwood.

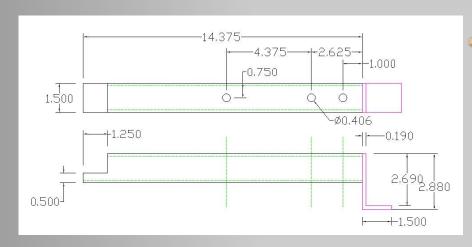
**Includes On/Side Mount Bracket





BRACKET FOR ON/SIDE MOUNT FOR BENCH

PN: dbench-brkt side mt

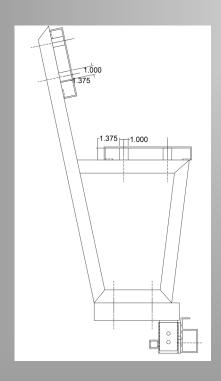




HARDWARE REQUIRED: dbench-brkt side mt Bench Side Mt Bracket, 2 per

- 4-3/8-16 x 4-1/2 SS Hex Bolt
- 4-3/8-16 Brass Hex Nuts
- 4-3/8 Split Lock Washer, SS

BENCH OFF DOCK BRACKET PN: dbench-brkt off dock



TO THE REAL PROPERTY.



HARDWARE REQUIRED: dbench-brkt off dock Off Dock Bench Support, 2 per

- 4- 3/8-16 x 4-1/2 SS Hex Bolt
- 4- 3/8-16 x 3 SS Hex Bolt
- 8-3/8-16 Brass Hex Nuts
- 8-3/8 Split Lock Washer, SS
- 1- 1/2-13 x 1-1/2 Zinc Hex Bolt
- 1- 1/2-13 Zinc Hex Nut









STEP STANDARD LADDER WITH SIDE MOUNTS PN-

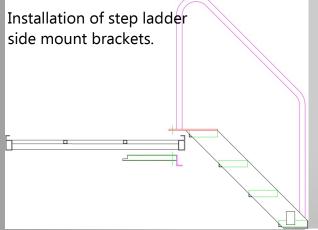
d4SL-4' Step Standard Ladder

d6SL-6' Step Standard Ladder

d7SL-7' Step Standard Ladder

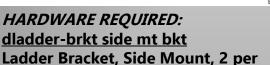
d8SL-8' Step Standard Ladder

**Includes On/Side Mount Bracket See Below



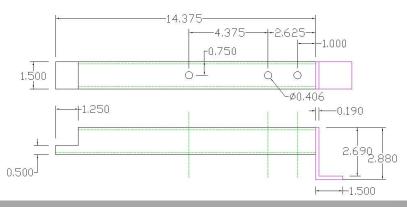
BRACKET FOR SIDE MOUNTS

PN: dladder-brkt side mt

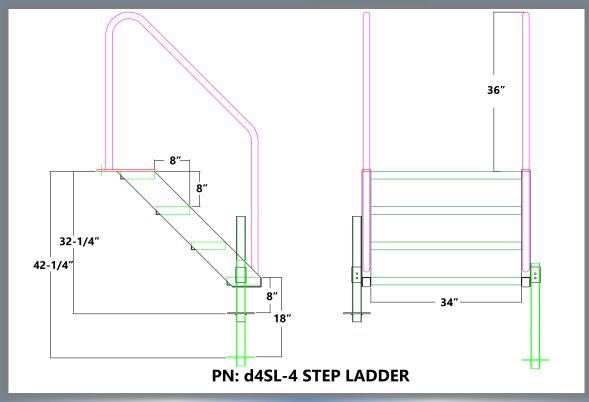


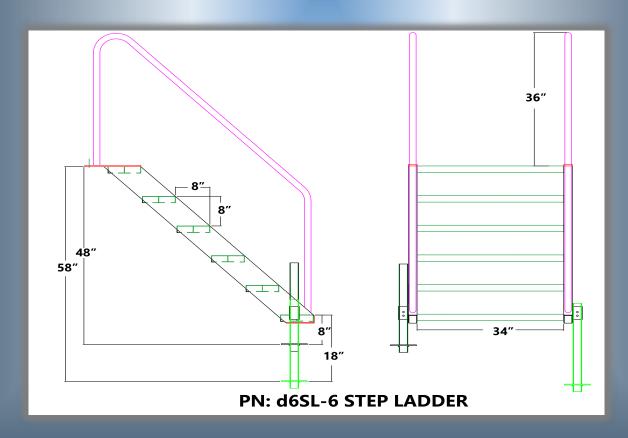
- 2- 3/8-16 x 4-1/2 SS Carriage Bolt
- 2- 3/8-16 Brass Hex Nuts
- 2-3/8 Split Lock Washer, SS



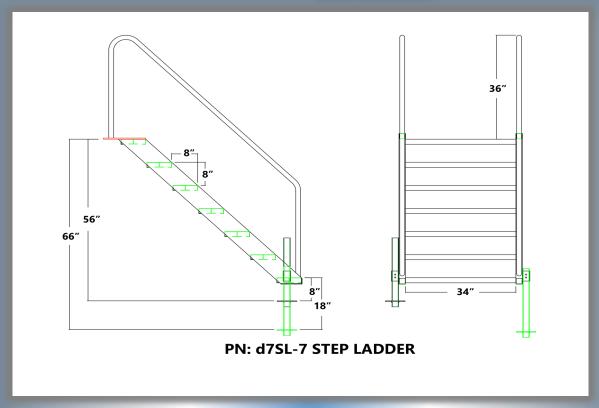


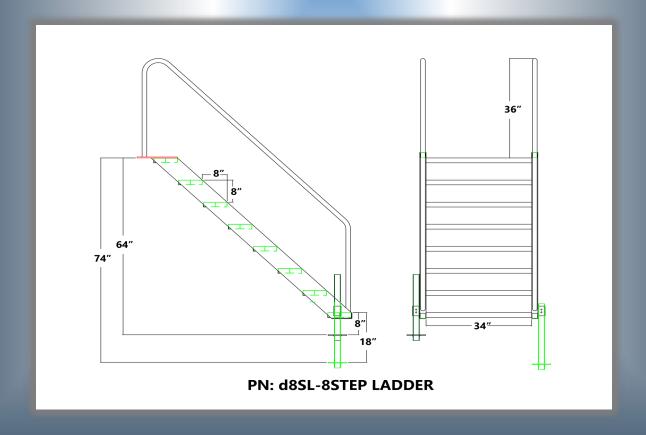








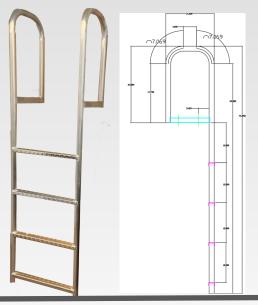




RAFT LADDER

PN: d4RL-4 RUNG RAFT LADDER



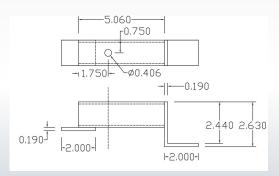




No Hardware Included with Raft Ladder

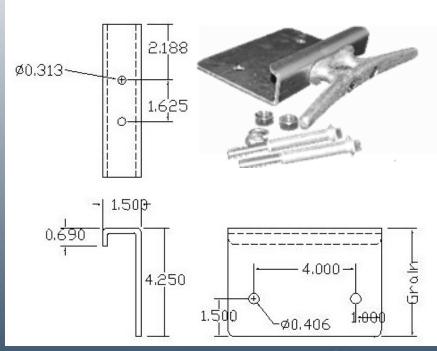
BRACKET FOR END MOUNTS

PN: dladder-brkt end



HARDWARE REQUIRED:
dladder-brkt end mount
Ladder Bracket, End Mount, 2 per

- 2- 3/8-16 x 4-1/2 SS Carriage Bolt
- 2- 3/8-16 Brass Hex Nuts
- 2-3/8 Split Lock Washer, SS



CLEAT 8" BRACKET PN: dbrkt-Cleat 8"

HARDWARE REQUIRED: dbrkt-Cleat 8"

8" Cleat Bracket, 1 per

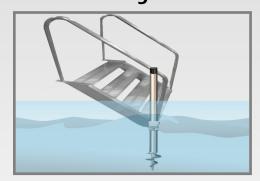
- 2-3/8-16 x 3 SS Hex Bolt
- 2- 3/8-16 Brass Hex Nuts
- 2-3/8 Split Lock Washer, SS
- 2- 5/16-18 x 1-3/4 Zinc Hex Bolt
- 2- 5/16-18 Zinc Hex Nut

AUGER KITS

PN: dauger6'-kit PN: dauger8'-kit PN: dauger10'-kit



LADDER AUGER KIT PN: dladder-auger kit 3' Pole with Auger for ladder



AUGER PN: dauger



HARDWARE REQUIRED: dauger-kit

Auger Pole Bracket

- 2-3/8-16 x 3 SS Hex Bolt
- 2-3/8-16 Brass Hex Nuts
- 2- 3/8 Split Lock Washer, SS
- 1- 1/2-13 x 1-1/2 Zinc Hex Bolt
- 1- 1/2-13 Zinc Hex Nut

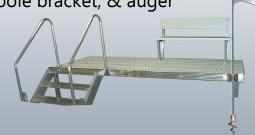
FLAG POLE KIT

PN: dflag-kit

Flag with Pole (20' telescoping), pole bracket, & auger

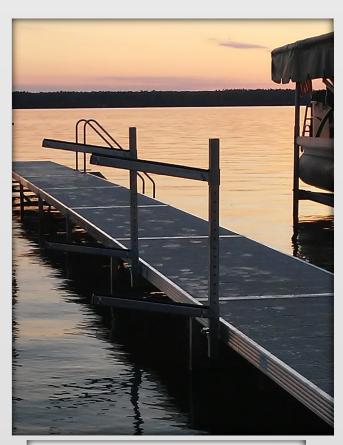


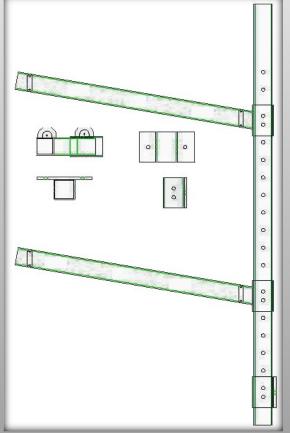






Kayak Rack Top Mount PN: dKayak-Rack Top Mount





HARDWARE REQUIRED: dKayak-Rack Top Kayak Rack, 1 per

- 4- 3/8-16x3 x 3 SS Hex Bolt
- 4- 3/8-16 Brass Hex Nuts
- 4-3/8 Split Lock Washer, SS
- 6- 1/2-13 X 1.5 HCS Grade A
- 6- 1/2-13 Fin Hex Nut





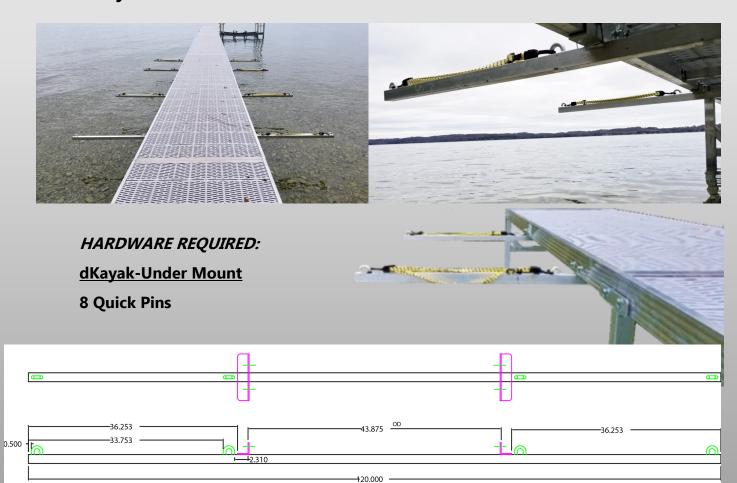
Kayak Rack Mount Extensions PN: dKayak-Rack Mt Ext



No Additional Hardware Required



Kayak Rack Under Mount PN: dKayak-Rack Under Mount



FLAT BUMPER

PN: dbumper2'-Flat PN: dbumper3'-Flat PN: dbumper4'-Flat



PN: dbumper2'-Flat



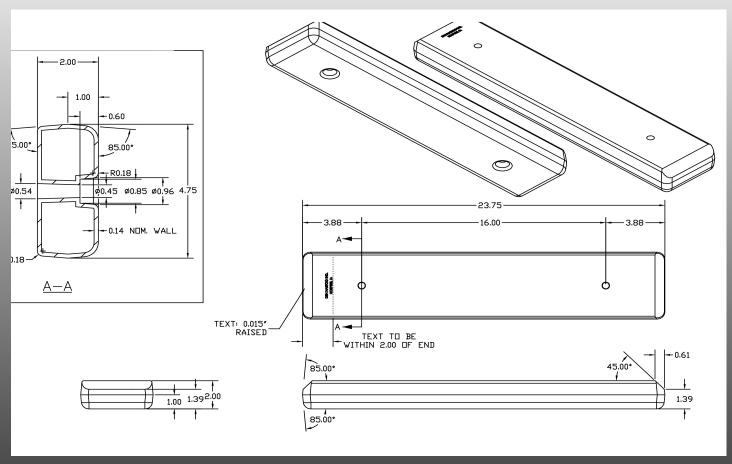
Photo Shown is a 3' Flat Bumper

HARDWARE REQUIRED:

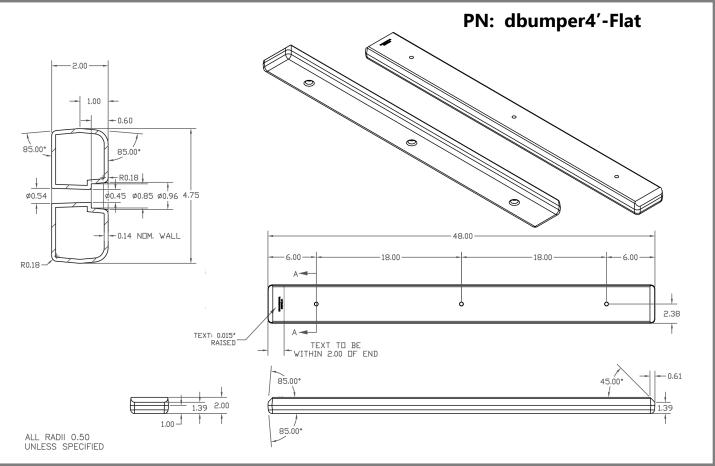
dbumper-2'

Bumper, 1 per

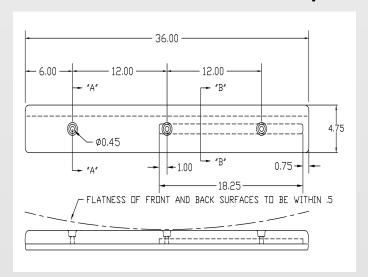
- 2-3/8-16 x 3-1/2 SS Hex Bolt
- 2-3/8-16 Brass Hex Nuts
- 2-3/8 Split Lock Washer, SS



PN: dbumper3'-Flat 6.00 12.00 Ace Dock Accessories → Ø 0.45 (877)223-6260 SECTION A-A SCALE 1: 4 1.00 - 18.25 SECTION B-B SCALE 1: 4 FLATNESS OF FRONT OR BACK SURFACES TO BE WITHIN 0.50" HARDWARE REQUIRED: dbumper-3' & 4' Bumper, 1 per 3- 3/8-16 x 3-1/2 SS Hex Bolt (O) (O) (O) 3- 3/8-16 Brass Hex Nuts 3- 3/8 Split Lock Washer, SS



3' BUMPER WITH L CHANNEL PN: dbumper3'-L Channel



HARDWARE REQUIRED:

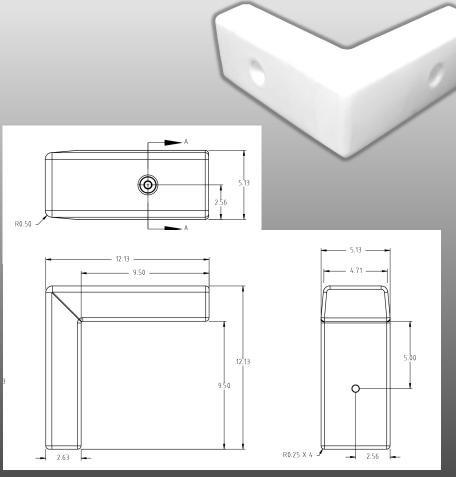
dbumper-3' L Channel

Bumper, 1 per

- 3-3/8-16 x 3-1/2 SS Hex Bolt
- 3- 3/8-16 Brass Hex Nuts
- 3- 3/8 Split Lock Washer, SS



CORNER BUMPER PN: dbumper-Corner





HARDWARE REQUIRED:

dbumper-corner

Bumper, 1 per

- 2- 3/8-16 x 3-1/2 SS Hex Bolt
- 2- 3/8-16 Brass Hex Nuts
- 2- 3/8 Split Lock Washer, SS
- 2-3/8 Flat Washer



3' BUMPER WITH BRACKET KIT PN: dbumper3'U -Kit





VERTICAL BUMPER BRACKET PN: dbumper-vertical brkt

3U BUMPER ONLY

PN: dbumper3'-U Channerl
**TO BE USED WITH VERTICAL BRACKET ONLY

36" 35.875" 21" 0

HARDWARE REQUIRED: dbumper3'U-Kit Bumper Bracket, 1 per

- 2- 3/8-16 x 4 SS Hex Bolt
- 3- 3/8-16 x 3-1/2 SS Hex Bolt
- 5- 3/8-16 Brass Hex Nuts
- 5- 3/8 Split Lock Washer, SS



NEW STYLE "D" BRACKETS

PN: dbrkt-D NEW



dbrkt-D NEW

New Style D Bracket, 2 per

- 4 -5/16-18 x 3 SS Flathead Cap Bolt
- 4 -5/16-18 Brass Hex Nuts
- 4 -5/16 Split Lock Washer, SS
- 2- 5/16-18 x 1 SS Hex Bolt

SIDERAIL SUPPORTBRACKET

PN: dbrkt-C



dbrkt-C

Side Support Angle, 1 per

- 2-5/16-18 x 3 SS Flathead Cap Bolt
- 2- 5/16-18 Brass Hex Nuts
- 2-5/16 Split Lock Washer, SS

SEAWALL BRACKETS END MOUNT

PN: dbrkt-Seawall end mt



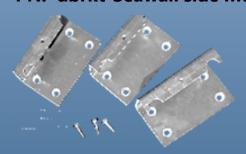
dbrkt-seawall end mt

Sea Wall Brackets, 1R & 1L per

- 4- 3/8-16 x 3 SS Carriage Bolt
- 4- 3/8-16 Brass Hex Nuts
- 4-3/8 Split Lock Washer, SS

SEAWALL BRACKETS SIDE MOUNT

PN: dbrkt-Seawall side mt



dbrkt-seawall side mt

Sea Wall Brackets, 1 Each

3-5/16" x 1" SS Hex Head

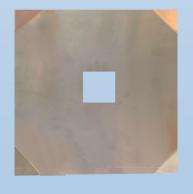
EMAIL: INFO@MI-DOCK.COM

Additional Accessories





QUICK PINS PN: dPIN



MUDPAD PN: dmud



DOCK STRINGER INSERT
PN: dbrkt-dock insert

DOCK SECTION END CAP

PN: dEC4F-4' End Cap

PN: dEC5F-5' End Cap

PN: dECF8F-8' End Cap



BIRD SPIDER PN: dbird-spider





BIRD DETERRENT PN: dbird-post

HAREWARE REQUIRED:

dbird-post

Bird Deterrent Post, 1 per

1- 3/8-16 x 3-1/2 SS Hex Bolt

1- 3/8-16 Brass Hex Nuts

1-3/8 Split Lock Washer, SS



OLD STYLE "D" BRACKET PN: dbrkt-D OLD

HARDWARE REQUIRED:

dbrkt-D OLD

Old Style D Bracket, 1R & 1 L per

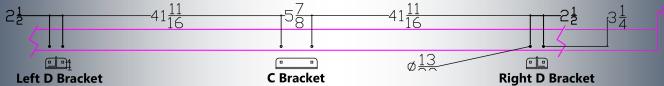
- 4-5/16-18 x 3 SS Flathead Cap Bolt
- 4- 5/16-18 Brass Hex Nuts
- 4 -5/16 Split Lock Washer, SS
- 2 -3/8 X 2.5 SW Tab Lock Pin

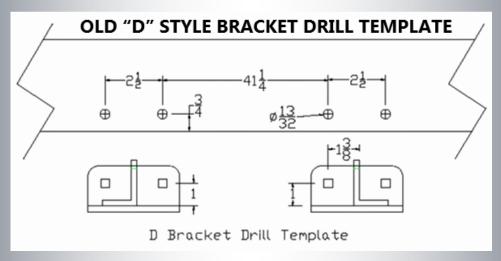


Old Style D Bracket Placement on End of Dock Section



Old Style D Bracket Placement and Drill Pattern With C Bracket





OLD STYLE "D" BRACKETS INSTALLATION INSTRUCTIONS (PN: dbrkt-D Old)

Bracket Hardware Required:

- 4@5/16-19 x 3" Flathead
- 4@5/16-18" Nyloc & 2 Pins

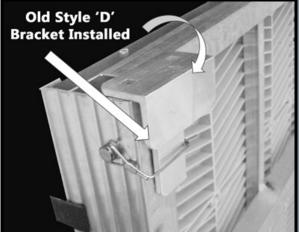
Tools Required:

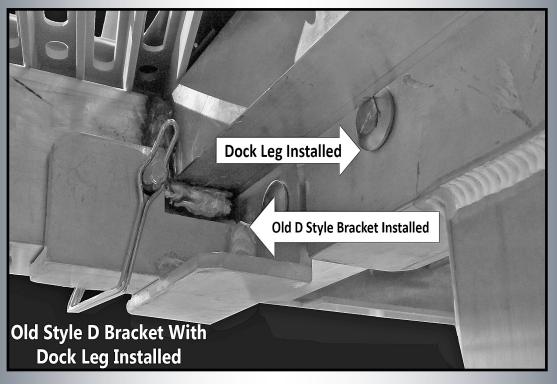
- Drill motor
- 13/32 drill bit
- Center punch & hammer
- 9/16 wrench

Installation Instructions:

- 1. Determine your dock layout.
- 2. Then use the drill template to lay out the D bracket holes.
- 3. The D bracket goes to the inside of the rail as seen in figure A.







STARTER BRACKETS PN: dbrkt-Starter

**Install Instructions On Next Page



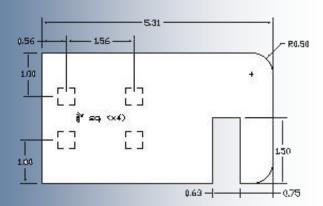


HARDWARE REQUIRED: dbrkt-starter

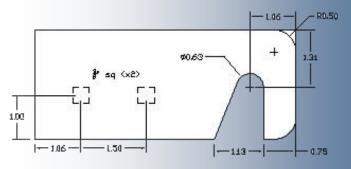
Starter Bracket, 1R & 1L per 8-3/8-16 x 3 SS Carriage Bolt

8- 3/8-16 Brass Hex Nuts

8-3/8 Split Lock Washer, SS



"A" Stanton Bracket, 2 per set, 1R,1L



'B' Starter Bracket, 2 per set, 1R, 1L



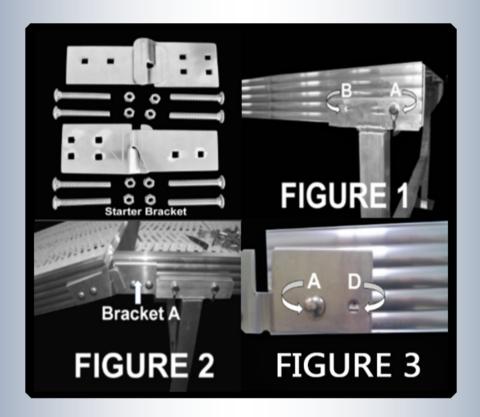
STARTER BRACKETS INSTALLATION INSTRUCTIONS

Bracket Hardware Required:

- 2 Left brackets
- 2 Right brackets
- 8 3/8-16 x 3 carriage bolt
- 8 3/8 split lock washer
- 8 3/8-16 hex nut

Tools Required:

- Drill motor
- 13/32 drill bit
- Center punch & hammer
- 9/16 wrench



Installation Instructions:

- 1. Place the legs under both ends of starter section of dock. Secure the pin in frame *Hole A* as illustrated *in Figure 1*.
- 2. On the ramp end, drill second dock leg for *Hole B* on both sides as shown in *Figure 1*.
- 3. Move the leg forward so the leg bracket *Hole A* is in frame *Hole B* and repeat. Now your starter leg is secure as in *Figure 2*.
- 4. Take starter bracket "A", and place the carriage bolt in frame *Hole A* to help lay out for *Hole D* as in *Figure 3*.
- 5. **Note:** The letter stamped on the bracket should be facing you.
- 6. Repeat Line 4 on ramp side.

MI DOCK LOAD TESTING

This dock load testing was performed and certified at Trimet Industries in Traverse City, MI using a standard 4'x10' dock section with vinyl installed with 2' high legs. The initial measurement shows no deflection in the dock section at 29" high with no load. The final measurement shows the dock section with a load of 2190 lbs. The dock section has a 5/8" deflection with the load of 2190 lbs. When the load is removed the dock section returns to zero deflection and no damage.

Daniel Mello
 President, Trimet Industries
 03/19/2018

Dock Size	Weight Load	Leg Height	Dock Deflection
4'x10'	0 lb	29"	0
4'x10'	730 lb	29"	1/4"
4'x10'	1460 lb	29"	1/2"
4'x10'	2190 lb	29"	5/8"





NO LOAD



2190 LBS



WWW.MI-DOCK.COM 231-929-9100 829 DUELL RD, TRAVERSE CITY, MI 49686 INFO@MI-DOCK.COM

January 1, 2020

Trimet Industries, the manufacturer of MI DOCK, has a five year limited warranty on all manufactured dock parts. This warranty does not cover storm damage of any kind.

Daniel Mello

Trimet Industries, President



Test Report: 1628

Revision: Release

Test Report Date: 02/05/08 Sample Receipt Date: 02/01/08 Test Start Date: 02/04/08 Test Completion Date: 02/04/08

Customer: JIMDI Plastics

Gary Stroven 5375 Edgeway Allendale, MI 49401

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PTS RFQ #: 1628

CONDITION OF SAMPLES AS RECEIVED: Normal

Product(s) Tested

One (1) Sure-Step Deck Section (length 47-3/8" x width 11-3/4").



Test Method/Description

Test #1

- -Mount one (1) Sure-Step deck section (11-3/4" width) to simulated joists that are 16" on center using four (4) screws.
- -Apply a 85 lb distributed load to a 1 foot square area for one (1) hour.
- -Remove the load and inspect.

Test #2

- -Using the same setup from Test #1, apply a 400 lb distributed load to a 1 foot square area for one (1) hour.
- -Remove the load and inspect.

Acceptance Level

For information only.

Test Results

Both Test #1 and Test #2 did not show any signs of degradation to the product during or after completion of the testing.

Temperature and Humidity during this testing = 19.6C/26%RH.

Test Equipment Used

Equipment#	Serial Number	Description	Calibration Due
401	PTS	Digital Scale	02/14/09
PTS	PTS	Dead Weights	06/01/08
PTS	PTS	Measuring Rule – 36"	Ref. Only

Testing Conducted By:

Kirk Craymer Test Engineer

Performance Testing Services 5241 Edgeway Suite B Allendale, MI 49401 (616) 895-1244 Fax: (616) 895-1244

THIS TEST SUMMARY REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL ONLY WITH PERFORMANCE TESTING SERVICES APPROVAL TEST RESULTS IN THIS TEST SUMMARY REPORT RELATE ONLY TO THE SPECIFIC TEST SAMPLE(S) LISTED!



Test Report: 1628

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Test Setups



Test #1 Setup – 85 lbs



Test #2 Setup – 400 lbs



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