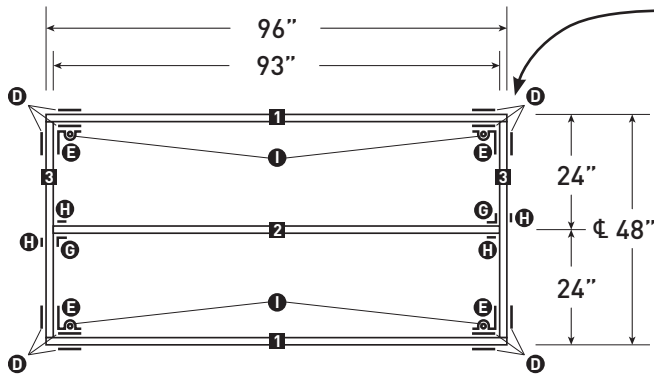


USE GREEN LABELLED OR GREEN DOT ● COMPONENTS FOR STATIONARY DOCK CONSTRUCTION

HOW TO BUILD A 4' x 8' Stationary Dock

- 1 Assemble main framework. Drill holes for DE87122F.



Always use a backer plate DE87122F on both sides of the framework when attaching leg pipe holders.

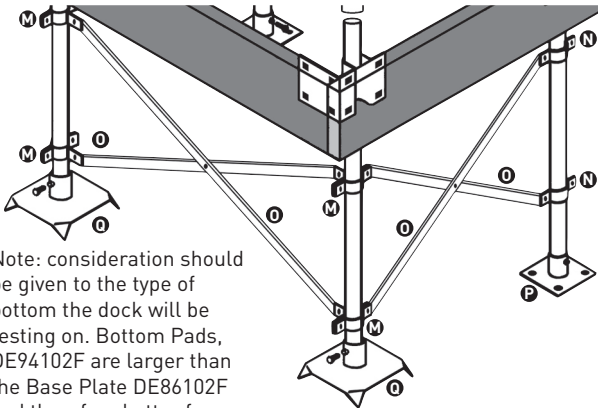
DESCRIPTION	LENGTH or PART #	QTY.
1 - End Stringer	2" x 6" x 96"	2
2 - Center Stringer	2" x 6" x 93"	1
3 - Side Stringer	2" x 6" x 45"	2
D - Backer Plate	DE87122F	12
E - Corner Leg Holder	DE86100F	4
F - Hinge Connector*	DE86103F	2
G - Joist Corner	DE95122F	2
H - Washer Plate	DE95123F	4
I - Leg Pipe, 6'8"	DE93168F	4
J - Carriage Bolt	3/8" x 2 1/2"	40
K - Lock Washers	3/8"	40
L - Nuts	3/8"	40

* Required if affixing dock sections or a ramp together.
Note: items J, K & L included in packages of 8 in Kit DE85150F.

SQUARING YOUR DOCK STRUCTURE

Check the squareness by measuring from corner to corner of the frame in an "X" pattern as shown. The measurement should be +/- 1/4" between each other. Lock the framework into square by temporarily securing a piece of lumber (Z) across one corner as shown.

- 2 Reinforcing the leg pipes and choosing a leg pipe base for bottom conditions.

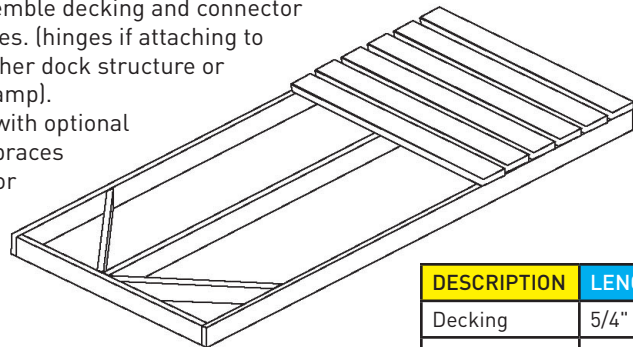


Note: consideration should be given to the type of bottom the dock will be resting on. Bottom Pads, DE94102F are larger than the Base Plate DE86102F and therefore better for soft or sandy bottoms where the dock structure requires a more stable footing. Alternatively, if necessary, the base plate may be fastened to a concrete slab or footing for additional stability or in areas of strong currents or wave action.

DESCRIPTION	PART #	QTY.
O - Leg Brace Set	DE89101F	6
M - Corner Leg Brace Holder	DE87107F	4
N - Side Leg Brace Holder	DE93105F	4
Q - Bottom Pad	DE94102F	4
P - Base Plate	DE86102F	4

Note: Several options and combinations available for stabilizing a stationary dock structure.

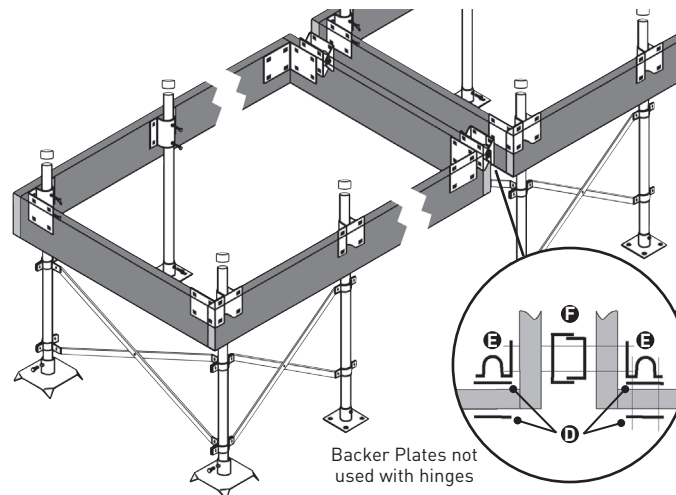
- 3 Assemble decking and connector hinges. (hinges if attaching to another dock structure or shore ramp). Shown with optional corner braces added for extra rigidity.



DESCRIPTION	LENGTH	QTY.
Decking	5/4" x 6" x 48"	16
R - Screws	#10 x 3"	96

CONNECTING DOCK SECTIONS

When attaching dock sections, leg braces should always be used on the leading edge of each dock section for stability.



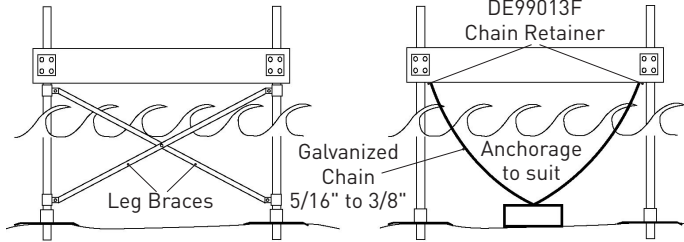
Where dock sections are attached, the outer backer plate DE87122F used for the corner leg holder may simply be replaced by the hinge connector DE86103F as shown.

Backer Plates not used with hinges

4 STATIONARY DOCK ANCHORAGE

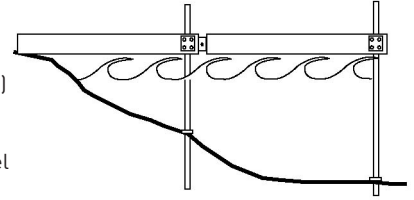
Drive leg pipes no less than 12" (30,5cm) into lake bed, 24" (61cm) if dock to be used for a boat mooring.

DESCRIPTION	LENGTH or PART #	QTY.
S - Chain Retainer	DE99013F	2
H - Washer Plate	DE95123F	4
Galvanized chain	5/16" x 48' approx	1
Hardware Fastener Kit	DE85150F	1
Anchorage	Min. 125lb ea.	2



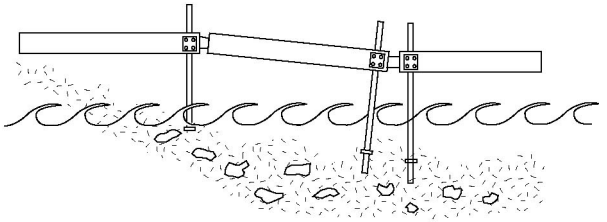
GRADED SHORELINE INSTALLATION

- Use hinge DE86103F between dock segments.
- Allow leg pipes to protrude below the bottom pads by approximately 12" (30,5cm) so they will become embedded in the lake bed.
- Adjust leg pipe holders on leg pipes to level dock segments before tightening.

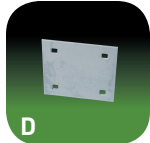


UNEVEN SHORELINE INSTALLATION

- Use hinge DE86103F between dock segments.
- Allow the dock segment with the highest drop in elevation to act as a ramp to a maximum of 15° angle.
- Adjust leg pipe holders on leg pipes to sufficient contact with lake bed.
- Tighten leg holders.



Hardware & Fasteners required (referenced by item letter)



D
DE87122F
Backer Plate



E
DE86100F
Corner Leg Holder



F
DE86103F
Connector Hinge



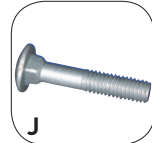
G
DE95122F
Joist Corner



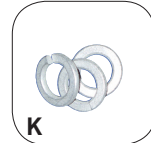
H
DE95123F
Washer Plate



I
DE93168F | DE93110F
6' 8" | 10'
Galvalume Leg Pipe, 2"



J
Carriage Bolts



K
Lock Washers



L
Nuts



M
DE87107F
Corner Leg Brace Holder



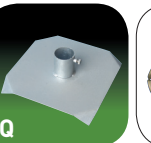
N
DE93105F
Leg Brace Holder



O
DE89101F
Leg Brace Set



P
DE86102F
Base Plate



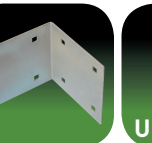
Q
DE94102F
Bottom Pad



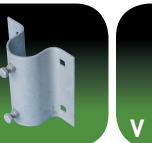
R
Deck Screws



S
DE99013F
Chain Retainer



T
DE86104F
Corner Plate



U
DE86101F
Side Leg Holder



V
DE91111F
Leg Cap

Hardware Requirements for Other Dock Sizes

DESCRIPTION	PART #	4 x 8 Dock	8 x 8 Dock	4 x 16 Dock	8 x 16 Dock
G - Joist Corner	DE95122F	2	6	6	18
H - Washer Plate	DE95123F	4	12	4	12
E - Corner Leg Holder	DE86100F	4	4	6	6
U - Side Leg Holder (optional)	DE86101F	4	4	6	4
M - Corner Leg Brace Holder	DE87107F	4	4	6	6
N - Side Leg Brace Holder	DE93105F	4	4	6	6
O - Adjustable Leg Brace Set	DE89101F	6	6	12	12
I - Leg Pipe 6'8"	DE93168F	4	4	6	6
Q - Bottom Pad	DE94102F	4	4	6	6
P - Base Plate	DE86102F	May be used in combination with or in place of Bottom Pad DE94102F			
V - Pipe Cap	DE91111F	4	4	6	6
S - Chain Retainer	DE99013F	2 (Use at outer most end of dock structure up to 16' & every 16' thereafter)			
D - Backer Plate	DE87122F	12	12	18	18
Hardware Fastener Kit (8 pack Carriage Bolts, Lock Washers & Nuts)	DE85150F	5	8	10	14
F - Connector Hinge*	DE86103F	2	2	2	2
T - Corner Plate**	DE86104F	2	2	2	4

* Connector Hinges used for between-dock and shore-to-dock or ramp connections and not required for individual dock sections.

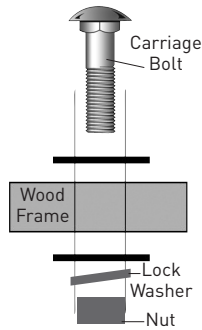
** Corner plate hardware to be used at dock-to-shore connection of dock where leg support is not required.

Tools Required for the average Dock Build

(excludes sizing/cutting of structural wood members)

- Electric Drill
- 3/16" drill bit
- 3/8" drill bit or auger
- 3/8" drive Socket wrench set
- Wrench set
- #2 Robertson (square) bit drive for decking screws
- Pencil
- Measuring tape
- 2-1/2" hole saw (not required if mounting leg pipes on outer dock face)

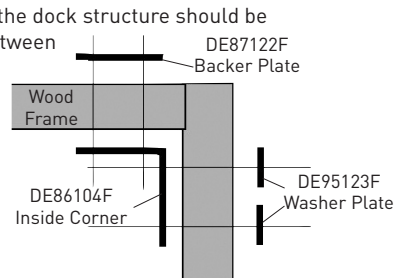
Important Tips



Always use a lock washer with each carriage bolt usage to prevent bolts loosening over time.

Always use washer plates (DE95123F), backer plate (DE87122F) or mating hardware components together.

Framework of the dock structure should be sandwiched between hardware pieces at all joint locations as shown. (sample only, other configurations possible)

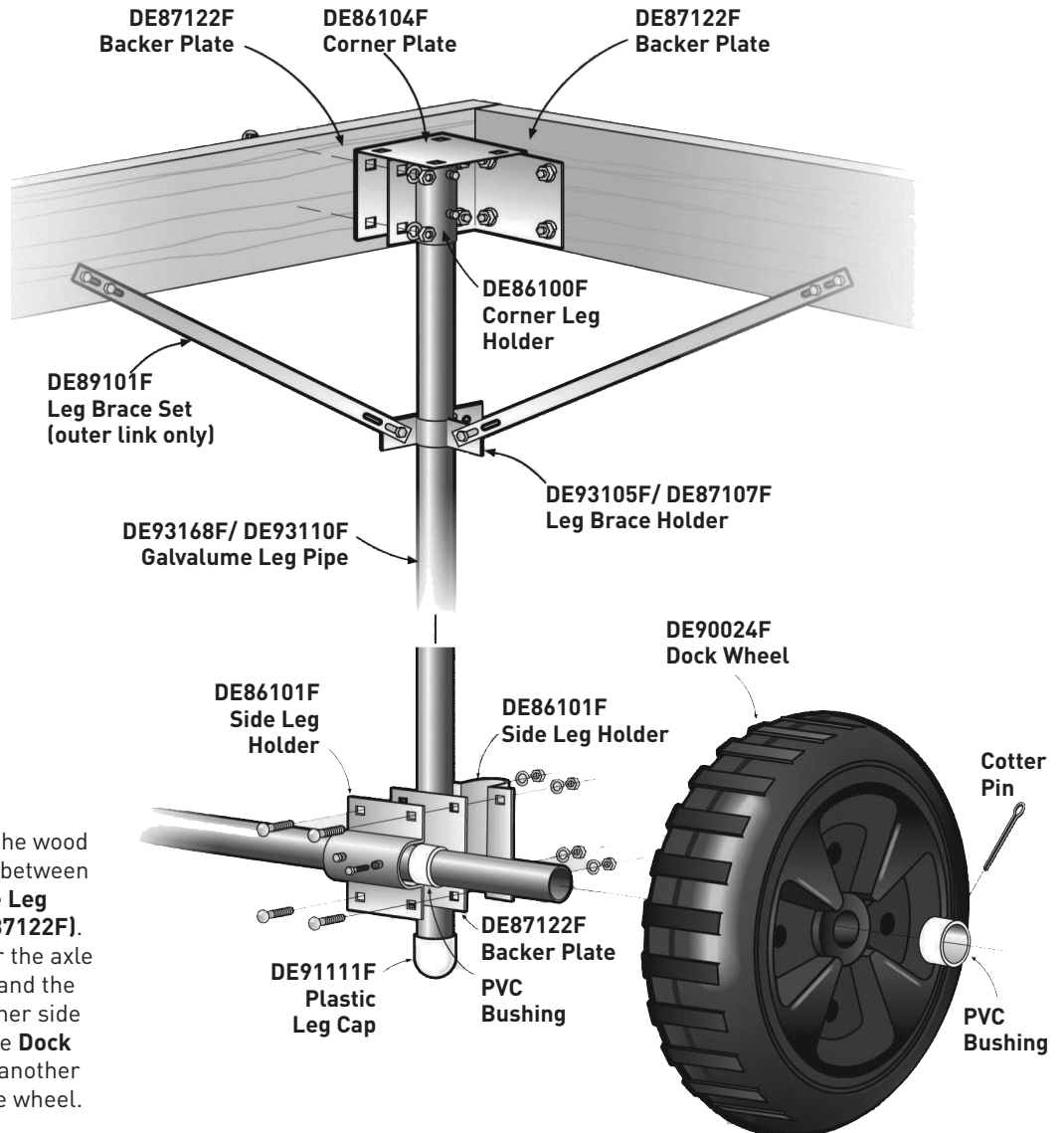


Attaching rolling wheels for dock insertion and removal

Dock Wheel Installation:

Adding wheels to a new or existing dock doesn't need to be complicated. By using Dock Edge + hardware, wheels can be attached simply and securely. The strongest connection needs to be between the dock and the wheel assembly—this is where the most stress occurs. To add wheels to a dock, substitute a standard **Corner Plate (DE86104F)** with a **Corner Leg Holder (DE86100F)** to hold a **Galvalume Leg Pipe (DE93168F/DE93110F)**. This Leg Pipe becomes the strut that will later hold the axle. To provide additional insurance that the Leg Pipe won't move vertically, sandwich a standard Corner Plate between the Corner Leg Holder and the wood dock frame. Rotate the Corner Plate 90° so that it covers the top of the Leg Pipe. To further increase the lateral strength of the Leg Pipe add a **Corner Leg Brace Holder (DE93105F/DE87107F)** and an arm from the **Leg Brace Set (DE89101F)** to the Leg Pipe. Bolt the other end of the arm from the Leg Brace Set to the wood dock frame. Repeat this procedure for the other side of the dock.

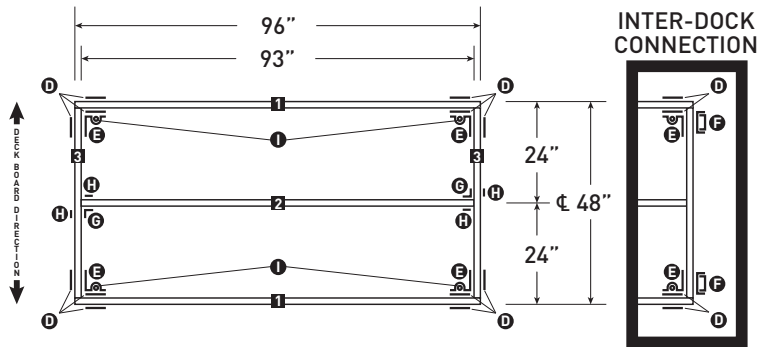
Wheel Strut Attachment Detail For Dock Insertion & Removal



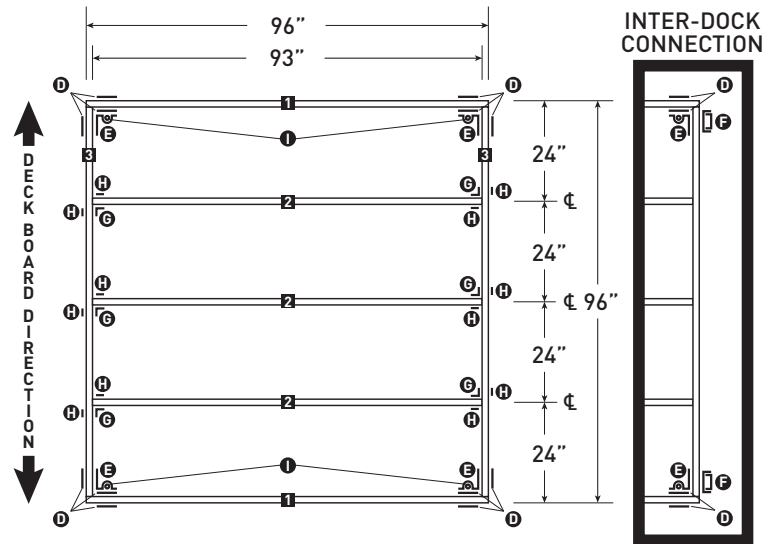
Axle and wheel assembly:

Once the Leg Pipes are securely fastened to the wood dock frame, attach the axle pipe horizontally between the two leg pipes using a combination of **Side Leg Holders (DE86101F)** and **Backer Plates (DE87122F)**. Cut a short section of PVC pipe and slide over the axle to act as a bushing between the Dock Wheel and the Side Leg Holders. Next, drill two holes on either side of the axle end to accept a cotter pin. Slide the **Dock Wheel (DE90024F)** onto the axle followed by another PVC bushing. Install a cotter pin to secure the wheel. Repeat the procedure for each dock wheel.

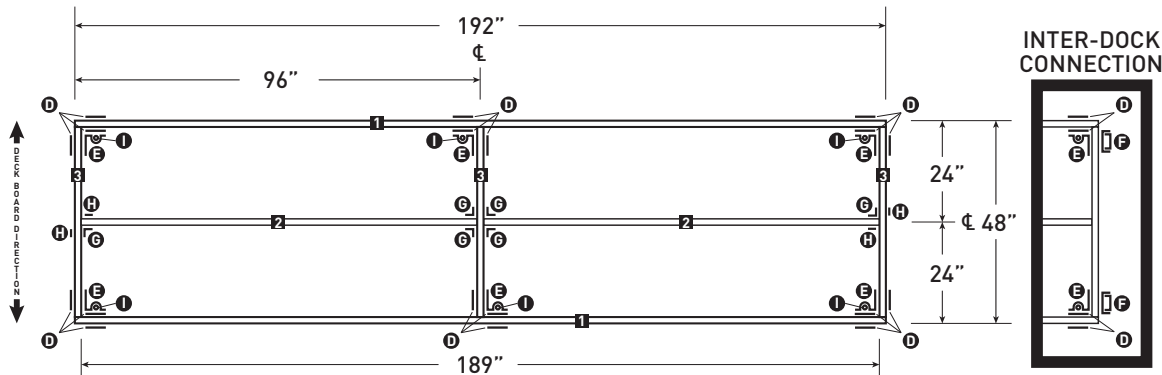
4' x 8' Stationary Dock



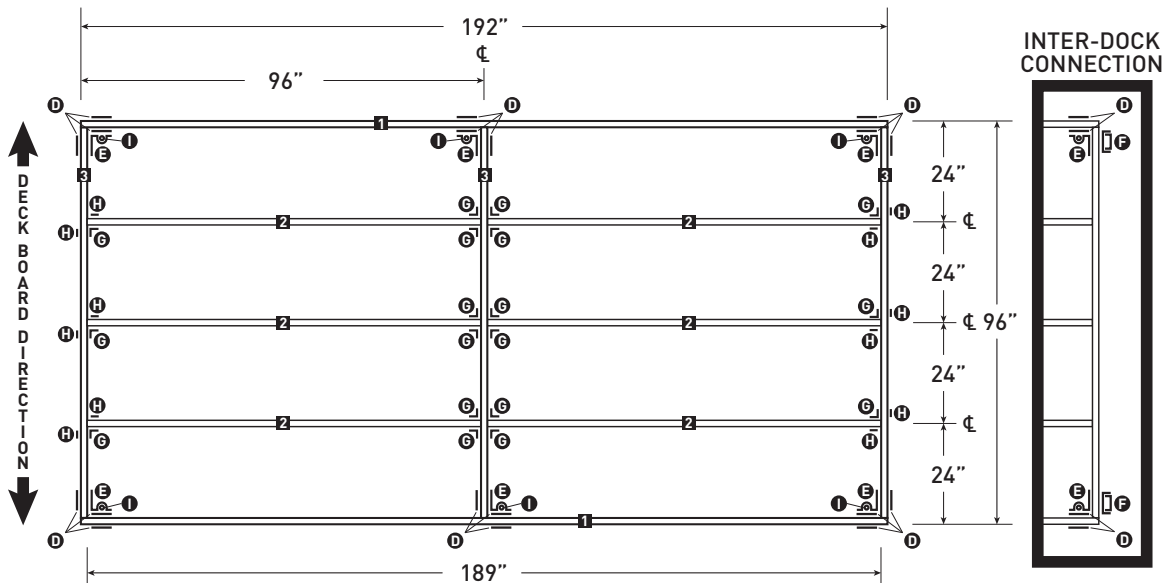
8' x 8' Stationary Dock



4' x 16' Stationary Dock



8' x 16' Stationary Dock



For your convenience, larger versions of these plans are available for download at www.dockedge.com

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