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Wave Port – Front Hinge (22966 & 22946) to Wave Dock – Assembly Instructions:

Depending on your dock layout plan, it may be easiest to attach hinges to the dock section, assemble the dock section to the rest of the dock, and then complete the rest of the Wave Port hinge assembly.



Wave Port with Front Hinge to Wave Dock, One Shoulder Bolt Inserted

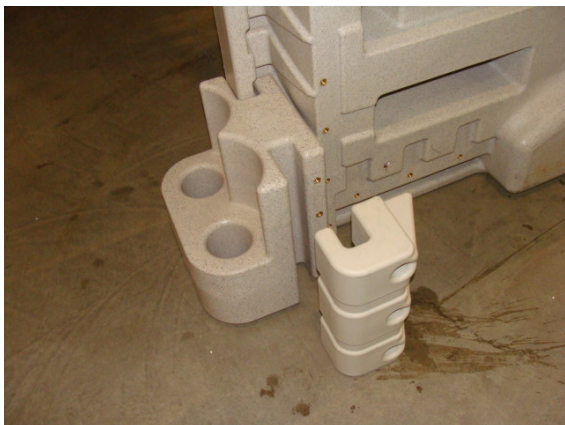
Parts included in kit

1. Based on your dock layout plan, determine where the hinges will be located on the dock.
2. Slide a port front and dock hinge (Part O) into the channel of the dock section, lining up the threaded insert with the hole in the dock decking. Make sure the flat side of the hinge is to the outside. Use a mallet as necessary.



3. Insert a bolt and washer (Parts 2 & 3) through the hole in the decking into the threaded insert and tighten.
4. Repeat with another port front and dock hinge (Part O) at the other location on the dock section.

5. On land, tip the Wave Port (Part J) on its side. *For safety, have a helper hold the port upright throughout the assembly.*
6. Slide a port front and dock hinge (Part O) into the left front channel of the Wave Port, making sure the flat side of the hinge is to the outside of the port. Line up two of the threaded inserts on the hinge with the holes in the port decking . Use a mallet if necessary.
7. Insert 2 bolts and washers (Parts 2 & 3) through the Wave Port decking into the hinge and tighten.



Port Front and Dock Hinge
Part O) and C-Clamp Attached
to Front of Wave Port

8. Slide a 24" C-clamp (Part U) over the assembled hinge against the bottom of the port, lining up the holes in the C-clamp with the threaded inserts in the bottom of the port (see diagram).
9. Attach the C-clamp with 3 bolts and washers (Parts 2 & 3).
10. Repeat Steps 6–9 on the right front channel of the Wave Port.



11. Lay the Port down and insert the hinge pin of the linkage arm (Part R) into the top hole of the assembled hinge (Part O).
12. Insert a shoulder bolt and washer (Parts 5 & 6) in the hole on the outside of the hinge into the hinge pin of the linkage arm and tighten.
13. Repeat Steps 6–9 (do not attach the second linkage arm) on the right front channel of the Wave Port.



14. Move the Wave Port into the water, sliding the hinge pin of the left linkage arm into the top hole of the left hinge attached to the dock.
15. Insert a shoulder bolt and washer (Parts 5 & 6) in the hole on the outside of the hinge into the hinge pin of the linkage arm and tighten.
16. Simultaneously slide the pins of another linkage arm (Part R) into the top holes of the right-side hinges.
17. Secure both hinges and linkage arm with shoulder bolts and washers (Parts 5 & 6).

Assemble Wave Port with Front Hinge to Existing Dock – Part 22946

Follow the instructions above, substituting the universal hinge (Part Q) for the port front and dock hinges (Part O) that attach to the dock in Steps 1–4. Attach the universal hinges to the existing dock in an appropriate manner depending on the dock type.



Plastic parts included in kit.



Wave Port with Front Hinge to Existing Dock
(Universal Hinge Part Q)

Depending on the options you purchased, you may not have all the parts shown below. Before beginning assembly, be sure to familiarize yourself with the parts.

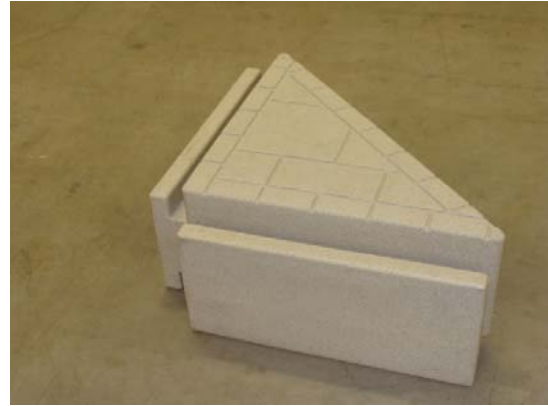
Part	Name
A	Dock Section
B	Corner Gusset
C	24" H-Beam
D	50" H-Beam
E	Post Attachment
F	Pipe Adapter
G	Vertical Bumper
H	Horizontal Bumper
I	Dock Ramp
J	Wave Port
K	Bow Stop
L	Tie-Down Cleat - Small
M	Flip up Cleat - Large
N	Entrance Slide
O	Port Front and Dock Hinge
P	Side Hinge
Q	Universal Hinge
R	Linkage Arm
S	6' Entrance Deck
T	16" C-Clamp
U	24" C-Clamp
V	16" H-Beam
W	Post Attachment ,7" Port Side
X	Entrance Plug
Y	Entrance Slide
Z	Top Roller Plug
1	¼ x 1 ½ Flat Head Machine Screw
2	3/8 x 1 ½ Bolt
3	3/8 Washer
4	3/8 x ¾" Bolt
5	½" Shoulder Bolt
6	Fender Washer for Shoulder Bolt

Tools Needed

9/16" socket and ratchet with extension
 Phillips screwdriver if installing bow stop on Wave Port
 Dead Blow Mallet, or a maul and block of wood



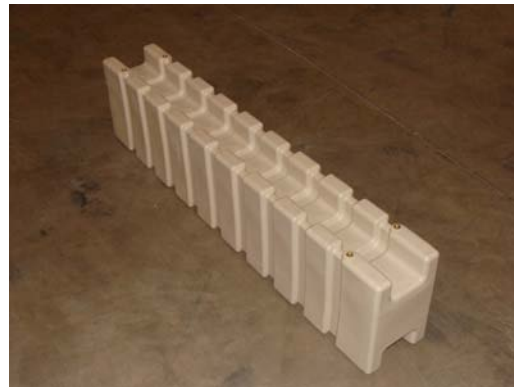
A – Dock Section



B - Corner Gusset



C – 24” H Beam



D – 50” H Beam



E - Post Attachment Port
Front & Wave Dock



F - Post Attachment
Insert/Adapter



G - Vertical Bumper



H - Horizontal Bumper 24"



J - Wave Port - 6 Foot



K- Bow Stop



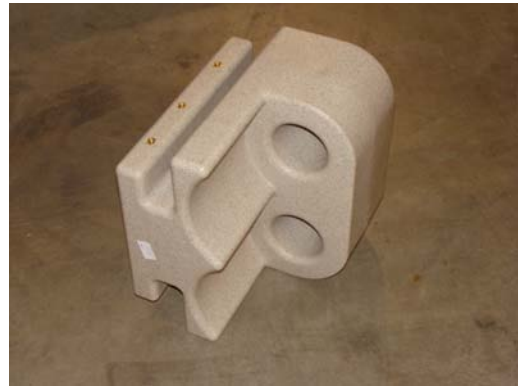
L - Fixed Cleat - Small



M - Flip-Up Cleat



N - Entrance Slide



O - Port Front and Dock Hinge



P - Side Hinge- Port



Q - Universal Dock Hinge



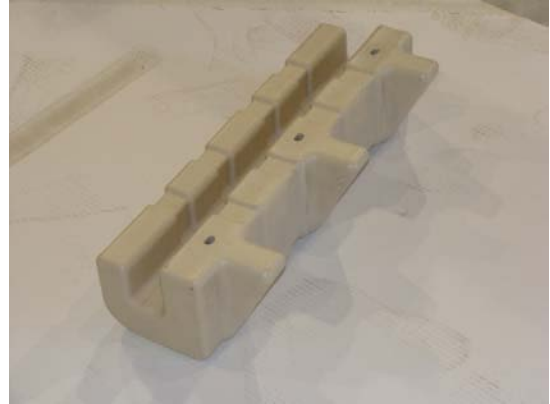
R - Linkage Arm 24"



S - 6 Ft Linkage/Entrance Deck



T – 16” C Clamp



U – 24” C Clamp



V – 16” H Beam



W - Side Post Attachment – Port Only



1 – ¼ x 1 ½ flat head machine screw



2 – 3/8 x 1 ½ bolt
3 – 3/8” washer



4 – 3/8 x ¾ Bolt
3 – 3/8” washer



5 – ½” Shoulder Bolt
6 – ½” Fender washer