

# SEA WALL INSTALLATION BRACKET

Alumi-Span Sea Wall Brackets allow you to have a dock that is flush with the top of the sea wall. It also makes putting in the first section each year very easy with a nice custom look.

These brackets are designed for steel or wood sea walls that are perpendicular to the water. Generally, concrete seawalls are poured with a slanted vertical surface and cannot be used with this device. These brackets come in standard 3' and 4' sizes plus they can be cut to special lengths.

## STEEL SEA WALL

Assuming the steel cap on the corrugated sea wall is vertical (see illustration #1), hold the bracket in the position where you want the dock to be so that the bracket is flush with the top of the sea wall. The top of the bracket has two pre-drilled holes. The vertical face has two more holes. Using the vert. holes as a guide you can now drill through both them and the steel sea wall cap but you must first feel up under the sea wall cap to make sure there will be room for you to put the nut and washer on the 3/8" bolts. You can move the bracket sideways a few inches if necessary to adjust for this.

Usually the pre-drilled holes we provide will work, but some sea walls are made differently and you may have to drill your own holes to accommodate them. Many steel sea wall caps are fastened to the corrugated wall by large round head bolts (carriage bolts). If so, they will stick out from the cap a little bit which would cause the bracket to be on a vertical angle. You can use the included washers to space the bracket slightly away from the wall to prevent this (see illustration #2).

## WOOD SEA WALL

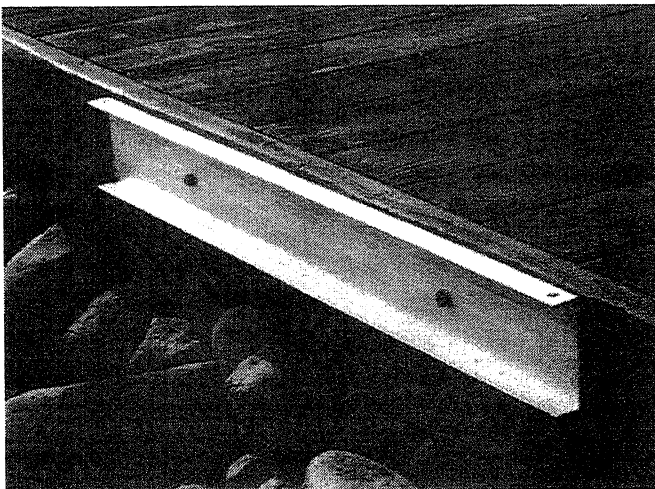
**IMPORTANT:** Before mounting the bracket on wood, check to see that the wood is sound and not rotted. If rotted or damaged in any significant way, **DON'T** mount the bracket. In this case you will need to buy another set of poles for the first section.

Assuming the wood sea wall is vertical, hold the bracket in the position where you want the dock to be so that the top of the sea wall is flush with the top of the sea wall. The top of the bracket has two pre-drilled holes. The vertical face has two more holes. Drill 5/16" pilot holes through the vertical face holes and into the sea wall 3". Fasten the bracket to the sea wall using the two included 3/8"X3" lag bolts.

## MOUNTING THE FIRST DOCK SECTION

Simply insert one end of the first section into the sea wall bracket and make sure it's centered on the bracket. Support the far end so as to hold the dock level. On each end of the top of the bracket you will see a pre-drilled hole. Using these holes as guides, drill through both the bracket and the stringer corner with a 13/32" drill. You do not need to drill more than 1" into the stringer. Last, simply drop 2- 3/8"X1" hex bolts down the drilled holes to act as a "pin" to hold the dock in the bracket. No nut is needed

**NOTE:** If you want to have the first section ramped up or down rather than level, you cannot use the seawall bracket and will instead need a set of poles close to the seawall.



SEA WALL BRACKET MOUNTED ON WOOD SEA WALL

ILLUSTRATION #1- TOP VIEW OF TYPICAL STEEL SEA WALL

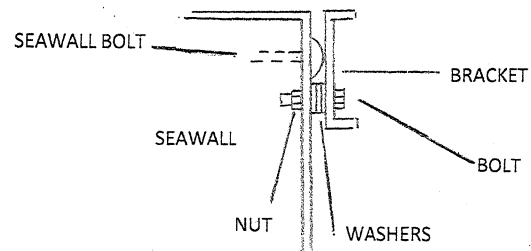
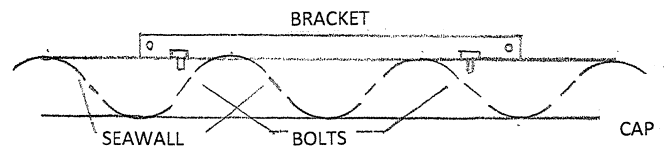


ILLUSTRATION #2- SIDE VIEW OF A SPACED BRACKET