

400SD Handrail Installation Instructions

Read all instructions completely before beginning installation!

Step 1 - Attach Stainless Steel Bases to the step using the hardware provided. If the dock step and handrail were purchased together, the holes for the bases should be predrilled. The washers and nuts for the screws are assembled from underneath the step. Do not tighten hardware completely!

See Figure 1

(If the holes for the bases are not pre-drilled, a 1/4" drill bit will be needed to drill them out. It is recommended that you assemble the handrail with the bases attached to determine the exact position needed for the base holes. Once they are drilled out, continue with instructions.)

Step 2 - Using the 1/8" Hex wrench loosen the set screws located in each base. This will allow the leg of the rail to slide in easier.

Step 3 - Insert 6" couplers into the end of the 3 legs as well as the end of the long rail piece. Insert until flush with the leg. This adds strength to the handrail. You will have 1 remaining coupler to be used later. **See Figure 2**

Step 4 - Insert the 3 legs into the bases as shown, but do not tighten completely. **See Figure 3**

Step 5 - Attach one of the Tee fittings to the first leg of the rail on the top step. Next, insert the remaining coupler into the top end of the long rail piece and then place the rail into the base fitting on the second step. The top end of this railing will then fit into the Tee fitting on the top step. Leave approximately 2" of the coupler protruding from the other side of the Tee fitting. (Again, wait to tighten fittings until later.) **See Figure 4**

Step 6 - Next, assemble the remaining part of the handrail as follows: The Elbow fitting should be attached to the top of the last leg of your rail. Slide the remaining Tee fitting onto the elbow shaped rail piece on the longest side (slide it all the way into the corner as far as it will go). Next, attach the elbow rail piece unto the legs and into the Tee fitting. Some minor adjusting might be required to make everything look straight and square. Once all fittings and rails are in place, tighten all set screws. **See Figures 5 & 6**

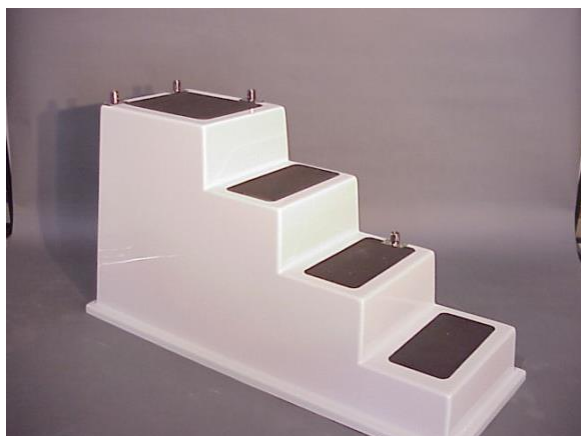


Figure 1



Figure 2



Figure 3



Figure 4

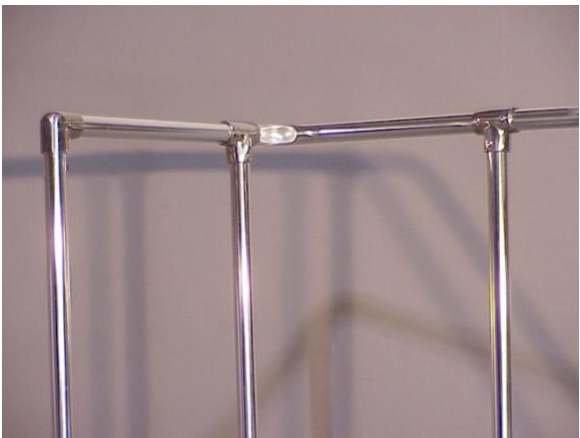


Figure 5



Figure 6