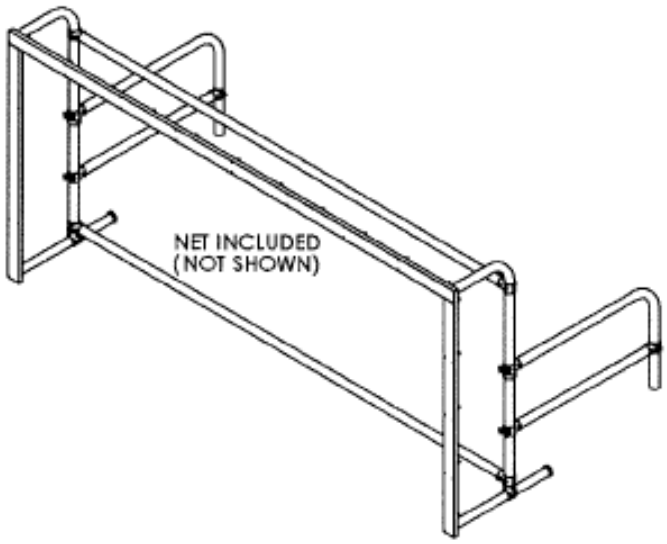
Dawson Water Polo Goal



Owner's Manual
Assembly, Installation and Operation

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Each water polo goal or set of goals will arrive completely assembled on a pallet.

Tools Required

The following tools will be required to install Spectrum Water Polo Goals:
9/16" hex wrench
1/8" hex key wrench (Allen wrench)
Concrete core drill with 4-inch diameter cutter (retrofit anchor installation)

Retrofit Anchor Installation

Spectrum water polo goals are to be anchored in stainless steel stanchion/slip anchors with a setback of 36, 30 or 7-inches from the pool wall (depending upon the option purchased), 123-inches apart (centerline).

Step 1. Determine the location of each goal on the pool wall. FINA, NCAA, or other competitive governing organizations determine the location of the goal for regulation competition please reference these governing agencies for locations.

Step 2. Measure the anchor centerline spacing, 123 inches, along the pool wall and the appropriate setback. Mark the center location of each anchor on the deck.

Step 3. Core drill a 4-inch diameter hole at least 7 inches deep at each anchor location any remove any debris from the hole.

NOTE: the national electrical code requires that all metal equipment at poolside be bonded to the swimming pool bonding grid. There is a 1/4-inch bonding bolt on the bottom of each stanchion/slip anchor.

Step 4. Use a two-part anchoring epoxy to set each anchor. Make sure each anchor is vertically straight in all directions. Allow the epoxy to completely cure before anchoring the goal.

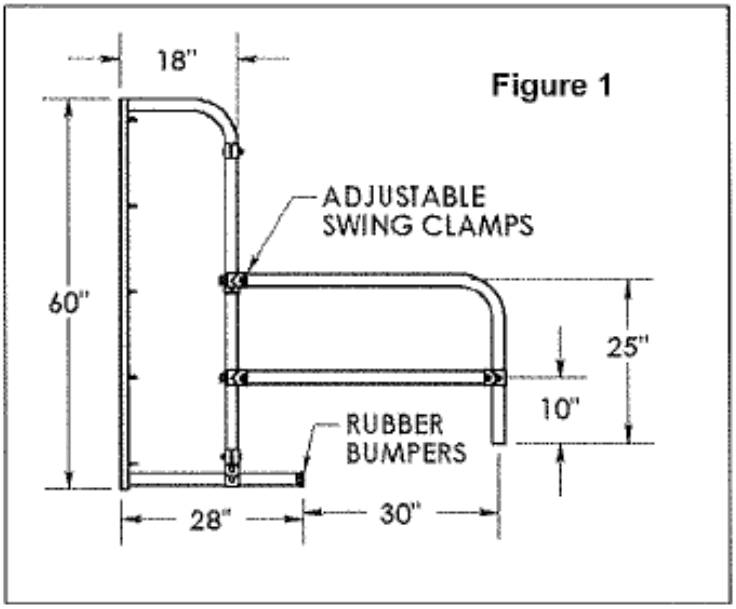


Figure 1

Water Polo Goal Installation

Step 1. Install the set back anchor legs using the 3/8"x 2 ¼" button head bolts, 3/8"x 3" button head bolts, 3/8" flat washers, 3/8" lock washers, 3/8" hex nut, and the 1.9 Compression Tee's. **See Figure 1.**

Step 2. Set the goal in position on the pool wall with the anchor legs in the anchors.

Step 3. Loosen the setscrews in the setscrew collars located below the top rail of the set back anchor legs.

Step 4. Adjust the height of the goal in the water.

For pools with water depth 1.5 meters (59 1/6 inches) deep or greater, the underside of the goal crossbar must be 0.9 meter (35 7/16 inches) from the water line.

For pools with water depth less than 1.5 meters (42 inches to 59 inches), the underside of the goal crossbar must be 2.4 meters (94 1/2" inches) from the pool floor.

Step 5. Tighten the bolts on the adjustable clamps with the goal at the correct height.

Step 6. Tighten the setscrew collars in place below each upper adjustable clamp.

Net Installation:

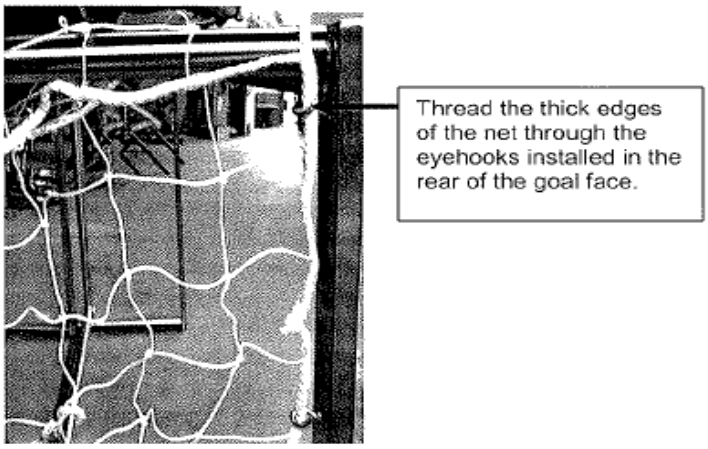
Step 1. Open the box containing the water polo goal net.

Step 2. Drape he net over the back of the unit so that the top corners are in each of the top corners of the frame.

Step 3. Loop the thick edge of the net into the eyehooks that are already be installed into the backside of the goal face.

Step 4. Ensure that the side edges of the net follow the side rails of the goal.

Step 5. Loop the thicker net edges through the eyehooks along the top and side rails.



<u>The Importance of Proper Care and Cleaning:</u>

In spite of high resistance to corrosion, the 300-series stainless steel used in Spectrum products can be compromised in several ways. Iron-based rust can occur, regardless of the fact that being a nickel alloy, stainless steel does not ordinarily rust. This type of corrosion can happen by coming into contact with Halogen Salts (Chlorine and Bromine). Surface contamination and the formation of deposits are critical factors as well, which may lead to drastically reduced life of the product. Certain working environments can create more aggressive conditions, such as warm, high humid atmospheres above indoor swimming pools. These environments can increase the speed of corrosion, thus increasing the need for upkeep. Advice if often sought concerning the frequency of cleaning stainless steel surfaces, and the answer is quite simply “clean the metal when it is dirty in order to restore is original appearance”. This time line could range from as often as once a day to as little as four times a year.

Cleaning, Care and Maintenance:

While the surface appearance of stainless steel products is attractive and hygienic, it cannot be regarded as completely maintenance free. All grades of stainless steel may in fact stain, discolor or attain an adhering layer of grime in normal service. To achieve the maximum corrosion resistance, the surface of the stainless steel must be kept clean. Providing cleaning schedules are carried out regularly, good performance and long life will be achieved. The cost and frequency to maintain the appearance of stainless steel is generally less in comparison to other materials. These costs often offset the higher initial costs associated with stainless steel products.

Spectrum Products® Cleaning Kit:

A technique known as passivation can be used to provide a chemically clean surface that will aid in the re-formation of the surface oxide layer. The oxide film forms naturally on clean surfaces exposed to the atmosphere, but contact with acid mixtures containing oxidizing agents can enhance its formation. An acid wash also serves the important function of dissolving any free-iron contamination on the surface of the stainless steel. Passivation is therefore recommended as a cleaning procedure to remove rust spots and free-iron deposits. Passivation is the removal of iron or iron compounds that build up on the surface of the stainless steel by means of a chemical dissolution. Periodic cleaning with Spectra-Clean ™
System 1, Spectrum Part Number 202050-00, is recommended for stainless steels that are used in commercial aquatic facilities.

The use of stainless steel in the manufacturing of swimming pool equipment has a long successful history. With an understanding of its care and maintenance it will provide you years of service.