Architectural Specifications

Portable Pro II Volleyball Net System – Complete System

MODEL NO. SNAVB8100

System shall be capable of providing elite competition level volleyball play without the use of additional loose ballast, floor hold-downs, or any wall or ceiling attachment. System shall be suitable for use on all floor systems designed for competition play including maple, molded square tile, and synthetic, and allow suspension of no less than 250# from the center of the net when fully tensioned – without movement of the bases.

Primary structural steel components shall be a minimum of 4" x 2" tubing with a minimum 1/8" wall thickness. All pivot points to facilitate folding, transport, and storage shall be ¼" steel pins riding on oil-impregnated bronze bearings. Welded base shall provide a fully-enclosed ballast compartment which is properly loaded with steel ballast at the factory. System shall be capable of set-up by one person. All steel components shall have a grey hammer-tone polyester powder-coated finish. Entire system shall rest on the floor when in the transport position on four (4) 8"-diameter 2"-wide urethane casters. When rolled into playing position, front of system shall be lifted from the front wheels onto two (2) urethane skid bars. Skid bars shall be lowered by means of ratchet-driven threaded lead screws located in the top front corners of the base.

The telescoping integral post design shall insure that no portion of the standards protrude above the top of the net at any net height setting on either end. The 3" steel outer tube shall have a minimum wall thickness of .22". The inner telescoping pole shall be 6061-T6 aluminum tubing, and shall have a 2-1/2" OD with a .21" wall thickness. A pin in the outer tube shall ride in a machined slot in the inner tube to eliminate inner pole rotation and prohibit the inner tube from separating from the outer tube.

Net height shall be infinitely variable from a minimum of 80" to a maximum of 98" with a single, spring-assisted, threaded release knob per post, and have the capability of being locked into place at men's and women's height with a detent locking pin. Men's and Women's net height settings shall be clearly identified on the inner telescoping tube by machined markings.

The net shall be one meter high, be constructed of black polypropylene 3.5mm knotless woven webbing, have a Kevlar top rope and a polypropylene bottom rope. The top rope shall rest on rope-saving top domes. The top, bottom, and sides of the net shall be finished with white-coated tarpaulin fabric with double-stitched, hemmed edges. The top of the net shall be tensioned by means of a machined winch with a 26:1 ratio worm gear mounted on the official's platform standard. All winch shafts shall rotate in sealed ball bearings. Winch shall be designed to have a non-removable folding handle, and shall tension to a 2"-wide nylon webbing strap which is attached to the net top rope. Net bottom rope shall be tensioned by means of a ratcheting-style tension device. Each net side tape shall have internal fiberglass dowels and shall be tensioned by means of no less than two (2) ratchet-style rope tensioning devices per end.

Top and bottom net ropes shall be covered for players' safety between the standards and edge of the net by no less than ½"-thick foam padding with white vinyl cover. Entire front and sides of the base and front of the structural upright shall be padded to a minimum height of 72" with a combination of 2"- and 1"-thick high-density foam covered with vinyl. Padding is available in 16 colors. Custom screen printing shall available for base padding. System shall include official boundary antennae.

System weight shall be approximately 1500# per base. Padded base shall be approximately 41" in width and 60" in length. Total stored dimension shall be approximately 41" in width, 65" in length, and 48" in height per base.

System shall carry a limited lifetime warranty on winch and steel bases, a five-year padding warranty, and a two-year net and antennae warranty. Entire system shall meet or exceed all NCAA, USVBA, NFHS, and FIVB requirements for competition.