SPALDING SPECIFICATIONS

DATE: 01-30-12

MODEL NUMBER: SEA210

DESCRIPTION: Elite Aluminum Volleyball System – 2 Court

GENERAL DIMENSIONS: Spalding's Elite Aluminum volleyball uprights are 3.015" (77mm) in diameter and adjust to both men's and women's regulation net height. Aluminum uprights weigh 35 lb. (16kg) for the winch end and 29 lb. (13kg) for the non-winch end. The adjustments are continuous, so fine adjustments can be made to ensure correct net height for any situation.

CONSTRUCTION:

Uprights: Each upright shall be manufactured from extruded high strength aluminum tubing with a 3.015" (77mm) O.D. and a 0.266" (6.8mm) wall thickness. Each upright shall be 88" (2235mm) long and shall be finished with a baked navy powder coat. A rubber foot shall be attached to the bottom of the upright to prevent floor damage when the upright is set on the floor. Pistons shall be constructed of extruded high strength aluminum tubing with a 2.438" (62mm) diameter and a 1/4" (6mm) wall thickness. Pistons shall be finished with a baked silver powder coat. Each piston shall be clearly marked at men's and women's regulation heights as set by the National High School Federation. Pistons shall telescope into the uprights and shall be fixed in place by a spin lock mechanism. The adjustment of the piston shall be assisted by an internal spring that shall assist with the lifting of the piston. One piston shall have a pulley attached to the top for attachment of the net to the tensioning winch. The opposite piston shall have a quick release pin mechanism for attachment of the net loops to the piston.

Winch: The net shall be tensioned by way of a worm gear winch. The winch shall have a 20:1 gear ratio and is seated in a heavy-duty frame with plastic end caps top and bottom. The winch is welded to a slide collar that allows proper positioning of the winch on the upright for your particular court situation. The winch shall have a nylon leader strap and steel cable to attach to the net.

Antennas: The antenna is a 3/8" (9.5mm) diameter fiberglass rod with alternating red and white bands. The antenna holders are permanently attached to provide no loose parts. The antenna assemblies screw onto the top and bottom of the net to stay in place.

Net: The net shall have 32' (9.75 m) of 4" (102 mm) square mesh. The mesh shall be constructed of size 3.0 MM braided polyethylene twine. The net height shall be 1 m ± 3 cm (39.5" ± 1") from top of top binding to bottom of bottom binding. It shall have 2" (51 mm) binding on the top and the bottom. The top cable shall be 33' (10.0 m) long and shall be constructed of 1/4" (6 mm) diameter Aramid Fiber core rope with a polyester jacket. The rope shall be crimped on both ends. The bottom rope shall be 39' (11.9 m) long and shall be constructed of 1/4" (6 mm) black solid braid polypropylene rope. There shall be side pockets for the dowels on each end. The dowels shall be constructed of 1" (25 mm) diameter steel tubing. The dowels shall be 37" (940 mm) long. These dowels shall fit inside the end pockets of the net. Rope tighteners are included with the net. The bottom rope is threaded through the rope tightener for tensioning of the bottom of the net. The tightener ratchets to hold the rope at the desired tension-up to 150 lbs. Tension is release by pushing a button on the ratchet.

Padding: The system shall contain pads for all three uprights. Each upright pad shall consist of 2 pieces of padding manufactured in 2 sections that, when fastened together create a four-sided pad. The pads are a sewn 18 oz. vinyl cover and 1" thick polyethylene foam filler, and are available in several color options. The vinyl is 18 oz per square yard and is a coated high-twist polyester woven yarn base fabric. The fabric has UV treatments along with EPA registered antibacterial and antifungal inhibitors. It has FR additives to meet NFPA-701, CAL 117, and ASTM E-84 to Class "A". It is CPSIA – H.R> 404 compliant to meet 0.1% or less of DnBP/DBP,BBP,DEHP,DnOP, DINP,DIDP, 100 ppm of lead or less, 0.1% or less of DnHP, and TCEP free to comply with the New York Bill A6195-2011. The fabric The 2 pieces are fastened together with hook and loop fasteners. The thread used is a monocord N-200 UVR that has 16 strands of fused 80 denier nylon. The foam shall be polyethylene with a density of 1.7 lb/ft^3 ($27kg/m^3$).