

Spalding Specifications

DATE: 11/20/13

MODEL NUMBER: SES110

DESCRIPTION: Power Steel Volleyball System – 1 court

GENERAL DIMENSIONS: Spalding's steel power volleyball standards have 3" (76 mm) diameter uprights and adjust to both men's and women's regulation net height. The adjustments are continuous, so fine adjustments can be made to ensure correct net height for any situation. The PVS System includes two completely assembled uprights (one winch end and one non-winch end), 1 Meter Aramid Fiber rope net, Elite Upright pads, and antennas for setting up a one-court volleyball system. Floor plates are needed to complete the installation.

CONSTRUCTION:

Uprights: Each upright shall be manufactured from 1020 steel tubing with a 3" (76 mm) o.d. and a 7/32" (5.5 mm) wall thickness. Each upright shall be 73-1/4" (1860 mm) long and shall be finished with a baked blue 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 cylindrical steel tubing with a 2.5" (63 mm) diameter and a 1/4" (6 mm) wall thickness. Pistons shall be chrome plated. 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 rivets welded to the top of the piston for attachment of the cable loop from the opposite end of the net.

Winch: The net shall be tensioned by way of a worm gear winch. The winch shall attach to the standard with the pulley and shall have a nylon leader strap and steel cable to attach to the net.

Antennas: The antenna is a 3/8" (9.5 mm) 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 1M Aramid Fiber Rope volleyball net has 32' (9.75 m) of 4" (102 mm) square mesh. The net height shall be 1 m ± 2 cm (39" ± 1") from top of binding to bottom of binding. It shall have 2" (51 mm) binding on the top and bottom. It has a 42' (12.8 m) long 1/4" diameter Aramid Fiber rope top and 1/4" twisted nylon rope bottom. This net comes with 3/4" (19 mm) pultruded fiberglass dowels that are 36-1/2" long and fit in the end pockets of the net., a rope tightener package consisting of two rope tighteners and two eyebolt snaps, and a net tension strap kit. The net tension kit consists of six (6) 1" (25 mm) wide straps that wrap around the net and the upright. The strap has a molded loop attached that the strap loops through and attaches back to itself using velcro hook and loop fasteners.

Padding: The system shall contain pads for both 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 2 pieces are fastened together with hook and loop

fasteners. The cover shall be manufactured from an 18 oz. coated athletic vinyl. The fabric has a matte finish and is treated with UV pigments. It has anti-mildew, UV and DuraGUARD® (an EPA registered anti-microbial agent) additives. It is fire retardant to meet NFPA-701, CAL 117, and ASTM E-84 to Class "A". It is CPSIA – H.R. 4040 compliant to meet 0.1% or less of DnBP/DBP, BBP, DEHP, DnOP, DINP, DIDP, DnHP and 100 ppm of lead or less. All seams are stitched with nylon thread for durability. 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/ft³ (27 kg/m³).