

SPALDING®

Two-Court Elite Aluminum System

Model # SEA200

SPALDING SPECIFICATIONS

DATE: 01/01/06

MODEL NUMBER: SEA200

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 1M Kevlar volleyball net has 32' (9.75m) of 4" (102mm) square mesh. The net height shall be 1m ± 2cm (39" ± 1") from top of binding to bottom of binding. It shall have 2" (51mm) binding on the top and bottom. It has a 42' (12.8m) long 1/4" diameter Kevlar Fiber rope top and 1/4" twisted nylon rope bottom. This net comes with 3/4" (19mm) 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" (25mm) 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 3 sections that, when fastened together create a six-sided pad. The pads are a sewn 14 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

material of the pad shall be a vinyl laminated polyester fabric with a 10 x 10 scrim and a finish weight of 14 oz. per square yard. The fabric contains antifungal and antibacterial agents and is easily cleaned using mild soap and water. The fabric must show 100% kill in the Cidal test. The cover fabric meets the National Fire Protection Standard 701. 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 (27kg/m³).