

Installation Instructions

Combination Volleyball System by Draper

Caution

- ① Overtightening top cable can damage equipment and possibly cause injury.
- ② The center of the net will sag slightly. This is natural. Do not try to compensate by over-tightening top cable. (See "Net Height" information below.)
- ③ Make sure proper parts and accessories have been shipped. Do not attempt to install any accessories that are not recommended for your Combination Volleyball System.
- ④ Do not attempt to operate the winch by using an electric drill; hand crank only.

These instructions are meant as a guide only. They do not imply any responsibility on the part of Draper, Inc. for improper installation or faulty workman ship at the jobsite.

- ① Attach winch assembly to one of the 3½" O.D. upright tubes. Locate approximately 51½" from top end, and tighten screws with allen wrench. Install and tighten acorn (cap) nuts to cover exposed threaded end of cap screws.

- ② Attach cable anchor collar onto the other 3½" O.D. upright tube. Locate approximately 51½" from top end, and tighten screws with allen wrench.

NOTE: It will be necessary to move winch and cable anchor collar when using CVS volleyball system for nets heights other than Men's and Women's Volleyball.

- ③ Install one sliding adjustment collar on each upright tube. Make sure that collar is installed so spring pin is located on same side as milled relief.

- ④ Install standards in floor sleeves.

- ⑤ Set post to desired net height by sliding adjustment collar to desired height making sure that plunger goes in to predrilled hole. *NOTE: Proper height is stamped on side of post. Tighten threaded T-handle to keep collar secure.*

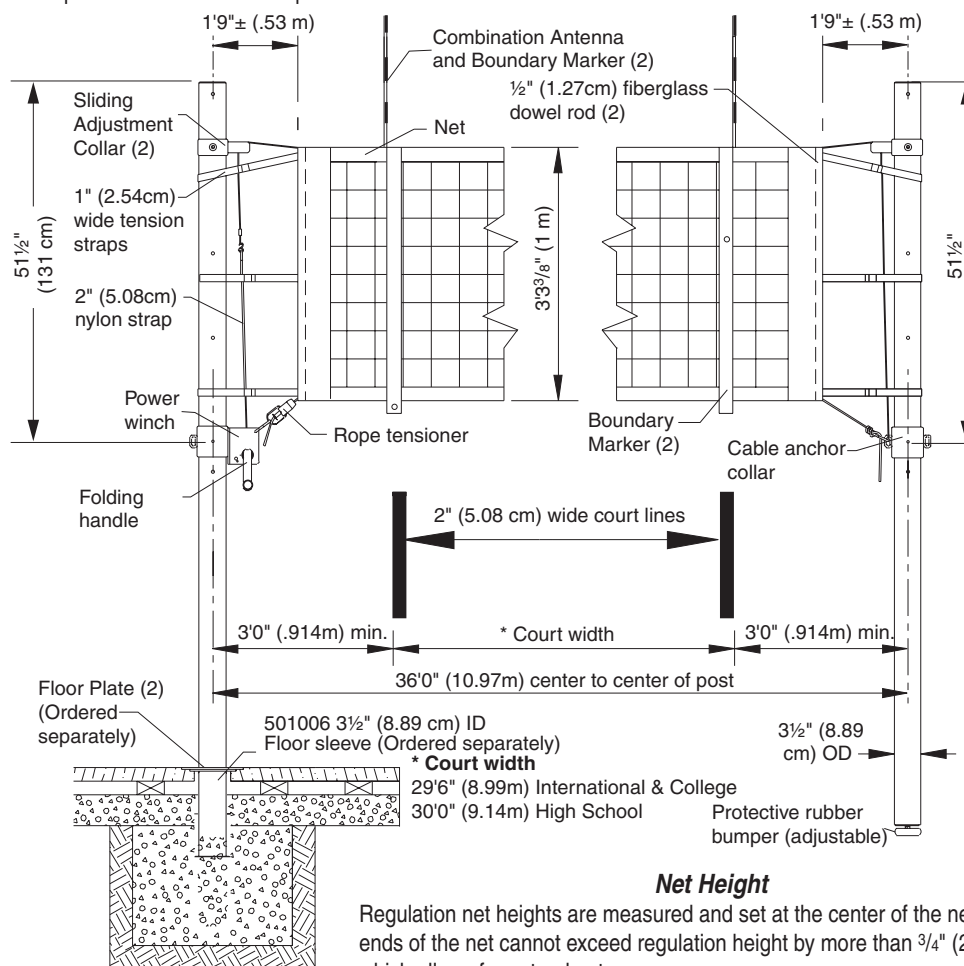
- ⑥ Measure distance from finished floor to top of sheave. This dimension should be ¾" (2 cm) higher than required net height shown on figure 1. If necessary, remove standard from sleeve and adjust rubber bumper until desired height is reached.

- ⑦ Unroll net on floor between standards.

- ⑧ Install ½" fiberglass rods in ends of net.

- ⑨ String net between posts by sliding looped cable end over pulley on sliding adjustment collar.

- ⑩ Unspool the 2" nylon strap from winch. Hook one end of the top net cable in hook on belt. Hook opposite end of top net cable to cable anchor collar on the other standard. *NOTE: Make sure the cable is running cleanly through sheaves.*
- ⑪ Tighten net by turning winch handle clock wise. Measure distance from top of net to finished floor at the center of the net.
- ⑫ Install tensioner to winch end of bottom net rope by inserting rope through beveled end of tensioner. Tie a loop in other end of rope. Attach rope tensioner to winch and tied loop to cable anchor collar. Tighten by pulling on rope while holding tensioner.
- ⑬ Wrap 1" wide net tension straps once around standards and tighten using buckles. *NOTE: Winch incorporates a worm gear type mechanism. To loosen top cable, turn winch handle counterclockwise.*



Net Height

Regulation net heights are measured and set at the center of the net. The ends of the net cannot exceed regulation height by more than ¾" (2 cm), which allows for natural net sag.

Below are official net heights recommended by USA Volleyball:

Age Groups	Girls	Boys
10-under	6'0" (1.83 M)	6'0" (1.83 M)
12-under	6'6" (1.98 M)	6'6" (1.98 M)
14-under	7'4 1/8" (2.24 M)	7'4 1/8" (2.43 M)
16-under	7'4 1/8" (2.24 M)*	7'11 5/8" (2.43 M)*
18-under	7'4 1/8" (2.24 M)*	7'11 5/8" (2.32 M)*

*Official net heights for High School, Collegiate and International Competition.
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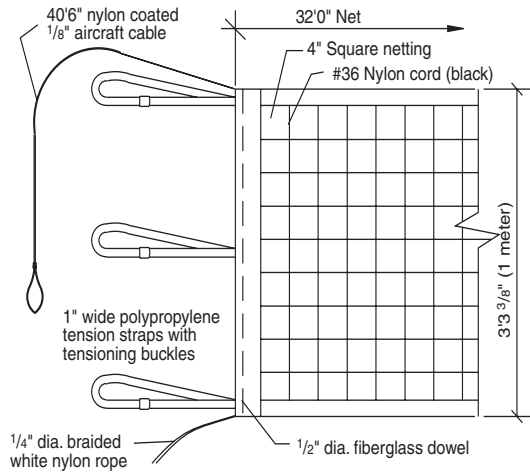
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If you encounter any difficulties installing or servicing your Combination Volleyball System, call your dealer or Draper, Inc., Spiceland, Ind., (765) 987-7999 or fax (765) 987-7142.

Options (Typ. installation details)

500014 Volleyball Net



**5000016 Combination
Antenna and Boundary
Marker**

