

# 505502 Steel Outdoor Volleyball System

## INSTRUCTIONS Installation & Operation

### Section 1 - Bill of Materials

- (A) – Top Winch Upright (1)
- (B) – Anchor End Upright (1)
- (C) – Leader Strap (1)
- (D) – Top Cable Buckle (1)
- (E) – Snap Hook 5/16" (1)
- (F) – Power Volleyball Net (Not Included) (1)
- (G) – Volleyball Net Dowel (Not Included) (2)

**Immediately unpack all components and cross check against bill of materials.**

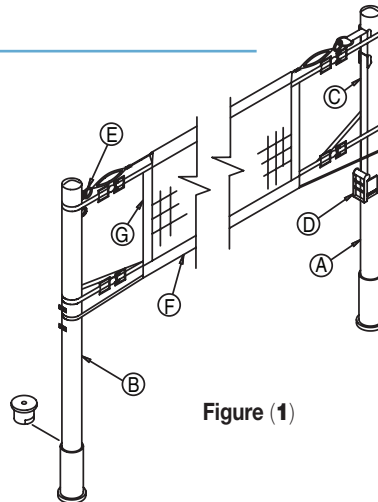


Figure (1)



1. This unit is designed for high-level competition play. Consequently, when installed and operational, the unit is subject to considerable stress loads. It is essential to inspect all parts before each use.
  2. Do not use this equipment without the protective upright padding properly fastened in place.
  3. A few drops of light lubricating oil applied periodically to the moving parts on the cable buckle will help assure smooth and easy operation.
  4. A light coating of lubricating grease applied to the inside of each floor sleeve will make the removal of each upright easier.
  5. Read all instructions before proceeding.
- Please Note:** Custom products/installations may not be reflected by this document. Call Draper, Inc. if you have questions about your installation.

### Section 2 - Sleeve Installation

**Please Note:** Consult Draper's Equipment Rules and Court Diagrams Guide to determine proper location of post and/or Ground Sleeves.

Set ground sleeves exactly 36" on center. This may require the services of a qualified local contractor familiar with the soil conditions and the building codes in your area. The referenced minimum concrete dimensions are typical for average soil conditions, but unusual conditions may warrant modifications by the contractor.

**Important:** Proper installation of ground sleeves is essential to the successful performance of this unit.

**Please Note:** Concrete specified should be 4000# minimum. Curing time should be a minimum of 14 days before putting it into service.

1. Place top winch upright (A) and anchor end upright (B) into their respective floor sleeves. Align uprights so cable buckle and D-rings are facing inside the court.
2. Place the leader strap for the top cable (C) onto the strap roller at men's or women's net height.
3. Slip the net dowels (G) into the side pockets on each end of the net. Position the power volleyball net (F) between the two uprights. Clip the looped ends of the oval snap rings (E) located on the end of the leader strap (C).
4. Assemble Buckle. Remove nut and bolt assembly from Buckle (see Fig. 3). Slide buckle under tab on Mounting Bracket. Position Buckle, insert bolt and replace nut. Tighten securely.
5. Slowly tension the top cable by cranking the buckle. Test position the Bottom Cable around the Winch Upright and note location of intersection. Tie a Loop Knot, then tie one small S-Hook to the end of the Cable and hook this onto the Loop Knot to secure this end. Slip the bottom cable end through one set of holes in the Tensioning Handle and pull Cable around the Upright. Determine the intersection point and tie an S-Hook in place. Clip the S-Hook through the remaining holes in the Tensioning Handle and pull the Handle toward the Net to apply tension to the Bottom Cable. Continue to tension the cable until the height measured at the center of the net is within 1" of the official net height. Excess Cable can be cut off (see Fig. 3).
6. Wrap the long ends of the net side straps around the uprights and fasten them through the snap buckles located on the opposite side. For best results, adjust the side straps so the volleyball net will remain centered within the playing area.

**ATTENTION:** To tighten net straps, always pull loose end toward volleyball post.

7. Raise the center of the net to the full official net height by cranking the top cable buckle. Adjust all net side straps to tension the net.
8. To release the tension on the unit, always unfasten the net side straps first, then release the tension on the top cable. Note: the release of the tension will cause the leader straps and the volleyball net to suddenly relax. The cable buckle may "pop" when this occurs but this is expected and it will not damage the equipment or cause injury to the operator.
9. To remove the unit for storage, disconnect the net from the two uprights. Carefully lift each upright from the floor sleeve top cap.

**Important:** The uprights are heavy and it is recommended that at least two people hold and lift each upright from the floor sleeve.

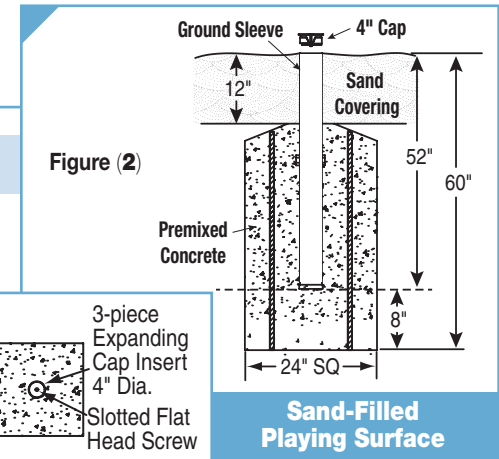


Figure (2)

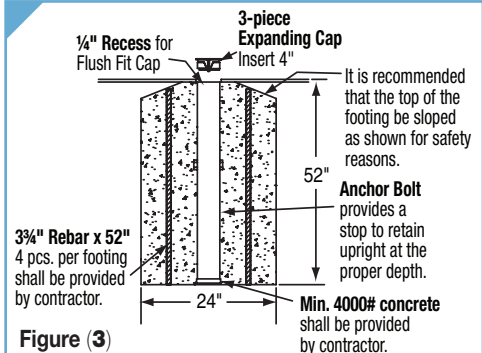
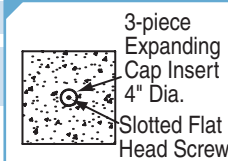


Figure (3)

**Gravel, Clay or Asphalt Playing Surface**

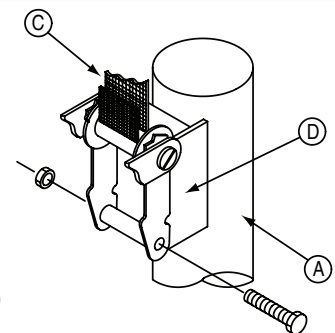


Figure (4)

If you encounter any difficulties installing or servicing your Volleyball System, call your dealer or Draper, Inc., in Spiceland, Indiana, 765/987-7999 or fax 765/987-7142.