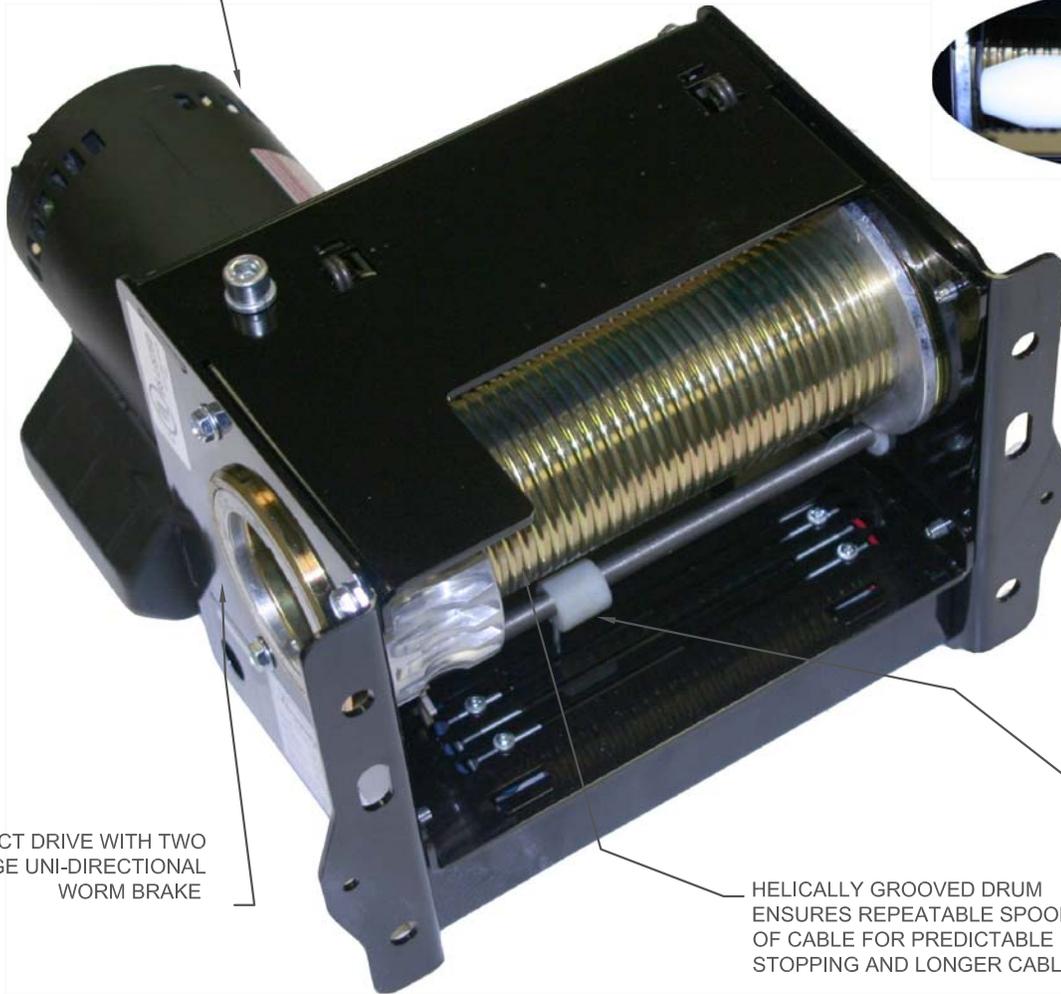


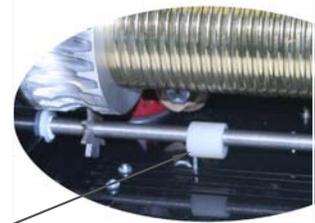
# TW-2000 BACKSTOP WINCH

1 HP HI-TORQUE  
INSTANTLY REVERSING  
MOTOR



SPRING LOADED  
RETENTION ROLLER

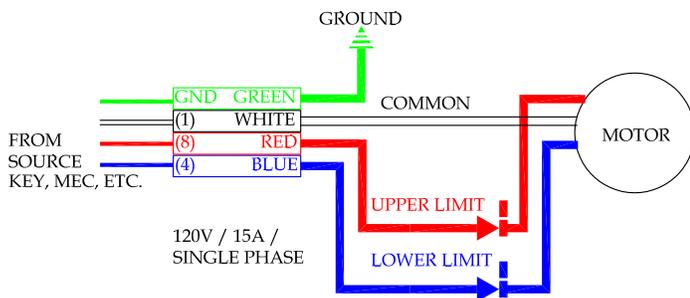
LAZER CUT CASE  
HIGH GLOSS POWDER COATED  
FINISH



PRECISION LIMIT TRAVEL ROD

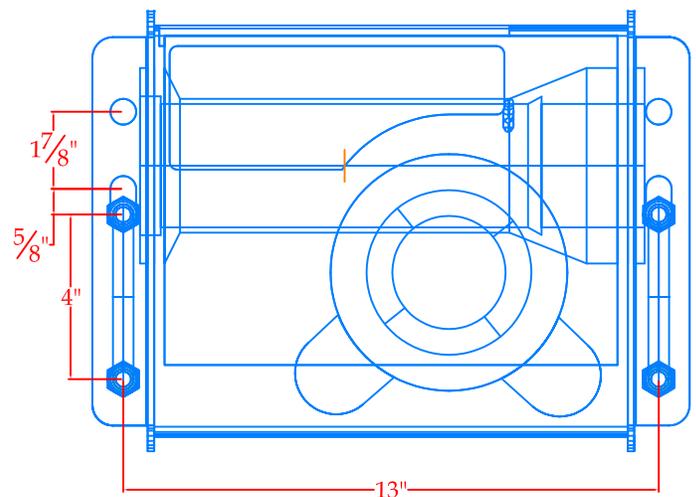
DIRECT DRIVE WITH TWO  
STAGE UNI-DIRECTIONAL  
WORM BRAKE

HELICALLY GROOVED DRUM  
ENSURES REPEATABLE SPOOLING  
OF CABLE FOR PREDICTABLE  
STOPPING AND LONGER CABLE LIFE



**110V SINGLE PHASE MOTOR**

**INTERNAL WIRING DIAGRAM**



**MOUNTING LOCATIONS**

REV.	DESCRIPTION	DATE	BY

**TW-2000  
BACKSTOP WINCH**



www.jaypro.com  
976 HARTFORD TURNPIKE  
WATERFORD, CT 06385 USA

DRAWING NAME / PART NO.: TW-1200	
DRAWN BY: DM	CHK'D BY: DEM
ISSUE DATE: 01/19/2006	
SHEET: 1 OF 1	REV. REV

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# **JAYPRO MODEL TW-2000**

## **TorkWinch® ELECTRIC BACKSTOP POSITIONING WINCH**

The basketball positioning TW-2000 *TorkWinch®* shall be a definite purpose electric winch designed specifically for use on basketball backstop positioning applications. The TW-2000 to be designed to the highest standards in terms of safety, simplicity of installation, space efficiency, attractive appearance and ease of use.

The TW-2000 shall position the backstop by raising and lowering the basketball unit. The TW-2000 shall be driven by a 1HP, instantly reversing, 115 volt, single phase electric torque motor utilizing a 3-wire control system. The backstop winch shall deliver at least 1600 lbs. / 725 kg. of line pull at a speed of 11 feet / 3.4 meters per minute and be load tested to 2100 lbs. of line pull.

The drum shall be grooved for a 1/4" 7 x 19 aircraft cable to facilitate smooth take-up of the cable and proper spooling of the cable and shall travel 25 feet / 7.7 meters on one (1) layer, 40 feet / 12.4 meters on two (2) layers. Drum shall be directly supported at the cable winding diameter for maximum strength and rigidity. Drum shall be supplied with a pressure roller, with torsion spring tensioning, to ensure that the cable "tracks" in the grooves even under slack cable conditions. The TW-2000 shall employ a double worm reduction system and uses composite material to provide superior strength and life as well as being completely oil-free. The TW-2000 shall require no liquid lubricants and no V belts or chains thereby eliminating maintenance to the owner while increasing safety. The TW-2000 shall have a unique uni-directional worm brake, together with the inherently self locking composite worm drive, assures positive dynamic braking and reliable holding of the cable drum.

The TW-2000 shall have integral adjustable upper and lower travel limit switches making the setting of stop positions easy and accurate. A special 3:1 speed-increasing drive to the limit switch drive screw increases the precision and repeatability of the settings. The TW-2000 shall come standard with a flush mounted, 3-position key switch, KS-13, insuring that the motor cannot be switched both up and down simultaneously. Remote receivers, MEC PAD, or ETEC control systems can optionally control the TW-2000.

The TW-2000 shall utilize a specially designed torque motor for increased line pull and increased motor reliability. Shall also incorporate a built in thermal overload switch with automatic reset.

TW-2000 shall be furnished with a universal type mounting bracket to fit on 3-1/2" O.D. pipe mounted either parallel or perpendicular to the unit. TW-2000 may be hung right side up or upside down and shall allow for cable pull direction to come from any one of three different directions.

TW-2000 shall have a five (5) year replacement warranty on all defects in material and workmanship. Any winch without this warranty does not meet these specifications and should not be considered equal.