

# TW-800M MANUAL BACKSTOP WINCH



PRESSURE ROLLER  
KEEPS CABLE TIGHT

GROOVED DRUM  
KEEPS CABLE STRAIGHT

#### SPECIFICATIONS:

**MAX SAFE LOAD- 1000#**  
**ROPE TYPE- 1/4" 7 X 19 AIRCRAFT CABLE**  
**ROPE TRAVEL- 25' ON ONE LAYER 45' ON SECOND LAYER**  
**RATIO - 30:1**  
**BRAKING- SELF LOCKING WORM GEAR/UNI-DIRECTIONAL BRAKE**  
**ANCHORING- CONSULT FACTORY FOR AVAILABLE OPTIONS**

#### OPTIONAL EQUIPMENT:

**ED-901 PORTABLE ELECTRIC OPERATOR**  
**CD-85W CORDLESS OPERATOR**

REV.	DESCRIPTION	DATE	BY

**TW-800M  
MANUAL BACKSTOP  
WINCH**



DRAWING NAME / PART NO.:  
TW-800M

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-800M**

## **TorkWinch® MANUAL BACKSTOP WINCH**

The basketball backstop positioning winch shall be a worm gear type designed to hold backstop at any position when raising or lowering the backstop. The winch housing will be made of a laser cut and formed steel designed for ease of mounting. Worm gear shall be a special self lubricating Teflon/carbon/molybdenum composite material providing a 30 to 1 ratio. Thrust of the worm gear shall be absorbed by hardened steel roller bearings mounted in a machined carbon steel support housing. Worm gear shall contain a load activated uni-directional brake to prevent back driving or "creeping" down of the backstop. Input shaft shall not extend beyond winch housing to reduce the possibility of injury from an extended type shaft. Input shall be a 7/8" round with internal locking pin for use with a special socket type handle provided, or with an optional (specify: JAYPRO Model ED-901 Portable electric winch operator or Jaypro Model CD-85W Cordless operator. Winch housing must be capable of receiving and engaging a special anti-torque safety bracket when a portable electric operator is used to reduce possibility of injury when using an electric operator. Winch housing shall be finished with durable black powder coat.

The cast aluminum cable storage 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. 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 insuring that the cable does not spool and become frayed losing strength.

Winch shall be provided for wall mounting with (2) 2" X 8" X 30" long yellow pine wood pad(s) for mounting to gymnasium walls when required. Pad shall have chamfered edges and shall be finished with two coats of natural clear gloss lacquer.

TW-800M winch shall have a two (2) year unconditional warranty on all parts and labor for defects in material and workmanship. Any winch without this warranty does not meet these specifications and should not be considered equal.