

TorkStar Utility Line Set

TorkStar is an inherently safe, simple lifting system designed to raise and lower a wide range of products commonly used on stages, in gymnasiums and churches and other public venues. It consists of a motor winch and one or more PosiSpools™, connected by a drive shaft and mounted to the ceiling structure. TorkStar utilizes aircraft cable lift lines with a lifting capacity of 500 pounds each. Motor winch / PosiSpool spacing and total lifting capacity of the system vary depending upon winch selection.

TorkStar eliminates the need for stepladders, scaffolding, or lifts to service or change lamps, filters, or other ceiling suspended items. In the event of an electrical outage or motor failure, the motor winch and each PosiSpool has sufficient braking capacity to arrest the entire system.

Use TorkStar to raise and lower: Projection Screens, Lighting, Speakers, Backdrops, Scenery, Draperies, Curtains, Scrims, Signs, Banners, Flags, Chandeliers, etc.

TorkStar Components: *The required components for your TorkStar system will vary depending on your installation. Contact your Draper sales representative for assistance.*

- **TS1000 Motor Winch**—1,000 lb lifting capacity. Includes 50 ft. of cable and one KS2DBL Key Operating Switch.
- **TS1400 Motor**—1,400 lb lifting capacity. Includes one KS2DBL Key Operating Switch.
- **PS500 PosiSpool**—Up to 500lb capacity. Includes 50 ft. of cable and two PS500SC Drive Shaft Couplings.
- **Projection Screen Mounting Kits**—Choose the specific kit for your Draper projection screen. Direct cable mounting kits and batten mounting kits available.
- **MK500 Beam Mounting Kit**—For attaching to steel beam that is perpendicular to the Line Set.
- **TS90 Parallel Beam Adapter Plate**—For attaching to steel beam that is parallel and directly above the Line Set.
- **500BH Adjustable Batten Clamp**—Strongly recommended if you are going to use a batten. One required per lift line. Not for use with Projection Screen Batten.
- **500CF Ceiling Flange**—One per lift line.
- **Drive Shaft**—2 $\frac{3}{8}$ " O.D. / 2" I.D. Schedule 40 pipe. Available from Draper in 21' lengths, or you can source locally.
- **Batten**—1 $\frac{1}{8}$ " O.D. / 1 $\frac{1}{2}$ " I.D. Schedule 40 pipe. Available from Draper in 21' lengths, or you can source locally.
- **PS500SC Drive Shaft Coupling**—Attaches drive shaft to Motor and PosiSpools.
- **KS2DBL Operating Switch**—Single gang double key switch.
- **Electrical Cable Management System**—Assists in providing power to a motorized projection screen. 35' long adjustable industrial-grade precision cable reel. Includes electrical connector and strain relief. UL and CSA Listed.
- **Electrical Cable Management System Beam Mounting Kit**—For mounting cable management system to beam.
- **Motor Test Cord**—6' long with inline 3-position up/down/stop switch.

Dimensions, drawings and specifications available at:
<http://www.draperinc.com/go/TorkStar.htm>

US Patent Nos. 5,803,437 and 7,210,645.



TorkStar and Signature/Series V with Cineflex installation by Troxell, Inc. at Shelton High School, Shelton, WA. Photography © Aaron Leitz, Seattle, WA.

