

DRUM WINCH

The perfect drive component for motorized winch sets combining affordability with quality construction.



Model DW2M5-1600-16 Drum Winch for 5 line sets. Wire rope and controls must be purchased separately.

If a motorized winch set has been on your wish list, but the price of a quality system has scared you away, its time to take a second look. Thern Drum Winches are designed to top quality standards. Unlike other systems, these winches are designed for standardized production, giving you affordability and quality. We also recognized the need many of our customers have for custom modifications, and designed these winches for maximum flexibility.

KEY BENEFITS:

Reliable operation results from heavy duty construction combined with double redundant braking provided by a fail-safe motor mounted disc brake and a secondary over-speed brake mounted directly to the drum shaft.

Quick delivery of standard units at an affordable price is achieved through standardized production methods and a modular design that is easily tailored to meet your exact needs.

Long lasting service with ball or roller bearings and a large diameter grooved drum to ensure proper winding of the wire rope to extend its life.

Flexible designs are easily customized. Changes are easily made to line speeds, load ratings, travel distances, wire rope diameters, D/d ratios, number of lift lines, gear ratios, and more.



Winches include a secondary centrifugal over-speed brake mounted to the drum shaft.

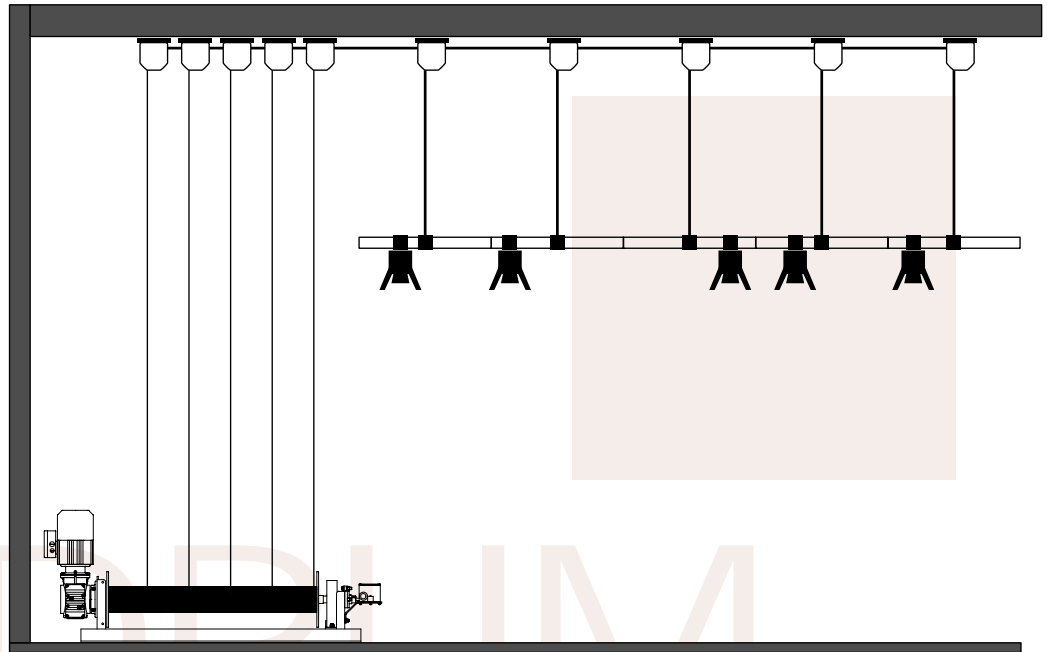


Large diameter grooved drums with keyhole anchor slots are standard on all Drum Winches.

KEY FEATURES:

- Motor is 230/460 volt three phase, 60 cycle, TEFC, reversible, continuous duty.
- Helical/worm gears provide low backdrive efficiency for secure load control.
- Cast iron gearcase totally encloses gears.
- Gears operate in an oil bath for continuous lubrication to minimize wear.
- Double-lip oil seals keep oil in and contaminants out.
- Primary brake is a spring set, electrically released motor mounted disc brake.
- Secondary brake is a centrifugal over-speed brake mounted to the drum shaft with engagement indicator and manual reset.
- Large diameter drums minimize wire rope wear.
- Grooved drum ensures proper winding.

DRUM WINCH General Installation



- Key hole anchors for easy attachment of wire ropes.
- Self-aligning flange style ball or roller bearings with cast housing for smooth rotation.
- Welded steel drum with solid steel through-shaft.
- Steel frame captures both ends of drum shaft for added security.
- 4-pole rotary limit switch is pinned to the drum shaft.
- Compatible with variable speed drives.
- Options include: line speed and load rating changes, voltage changes, modified drum widths or diameters, additional wire rope anchors, manual overrides, alternate duty ratings, cable pressure bars.
- Installation options include floor, wall or ceiling.
- Durable satin black enamel paint finish resists corrosion.
- Winches comply with ANSI B30.7.
- Wire rope and controls must be purchased separately.
- Two year limited warranty.

SPECIFICATIONS

Model	# of Drum Anchors	Motor Horse-Power	Load Rating	Load Rating Per Lift Line	Max. Travel Distance	Wire Rope Diameter	Line Speed (fpm)	D/d Ratio	Total Gear Ratio	Worm Gear Ratio	Gearbox Service Factor	Ultimate Design Factor	Motor Brake Holding Torque	Over Speed Brake Holding Torque
DW2M5-1600-16	5	1hp	1600lb	320lb	40'	3/16"	16	29.3:1	158.45:1	42:1	1.13	8:1	236%	200%
DW2M5-1600-33	5	2hp	1600lb	320lb	40'	3/16"	33	29.3:1	78:1	42:1	1.13	8:1	240%	200%
DW4M8-2500-15	8	1.5hp	2500lb	320lb	40'	1/4"	15	28.6:1	225.26:1	40:1	1.23	8:1	324%	200%
DW4M8-2500-34	8	3hp	2500lb	320lb	40'	1/4"	34	28.6:1	97.14:1	40:1	1.24	8:1	322%	200%