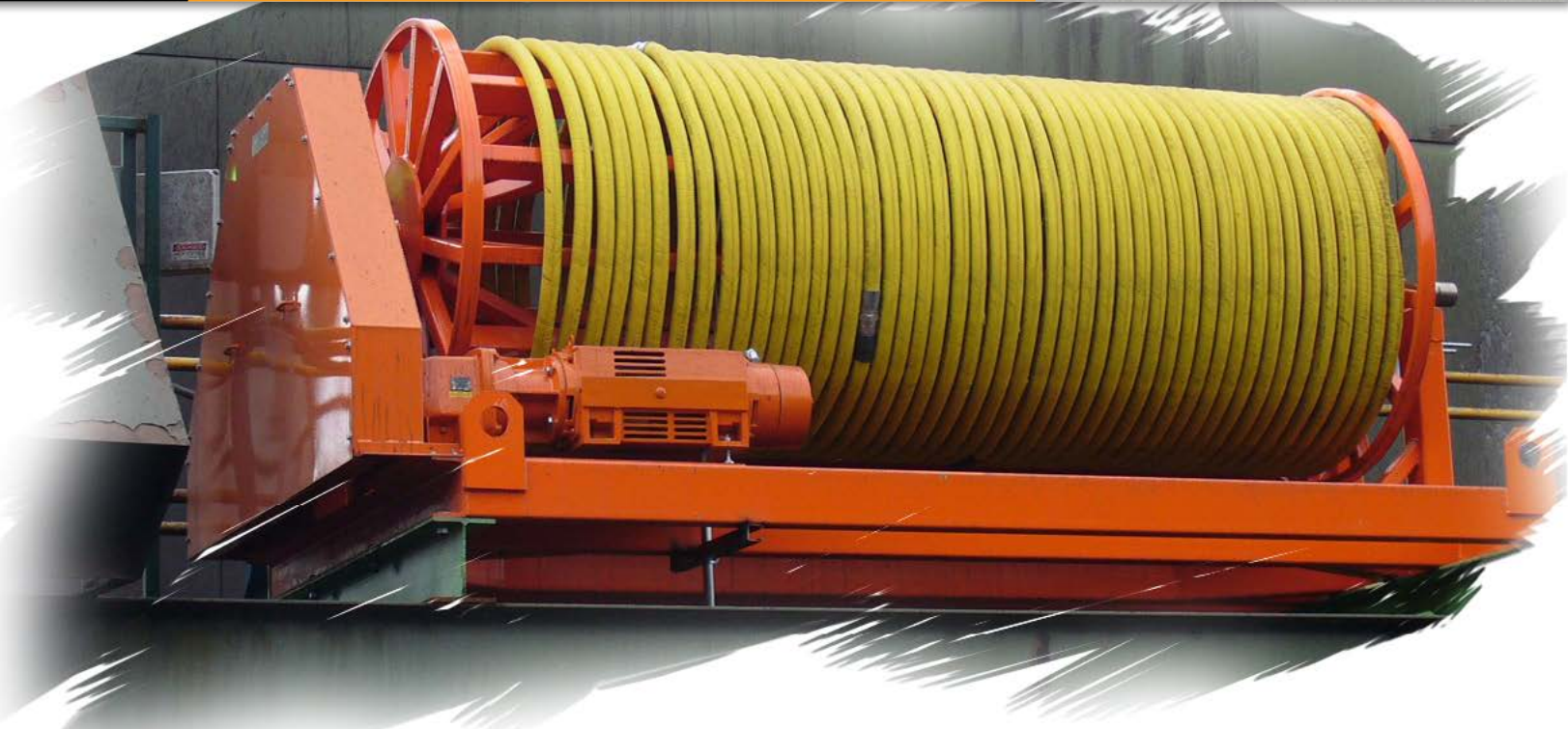# MOTOR DRIVEN VFD REELS

Variable Frequency Drives

# LEVEL WIND REELS

Best Management Solution For Long Cables

Level Winding Reels have demonstrated through years of use to be the safest and most reliable way to handle long lengths of large cable. By winding a single layer of cable horizontally on a generous drum diameter, the cable experiences minimum flexing and is exposed to maximum cooling, should that be a concern. Equipment speeds can be slow, moderate or high with equally good performance. Cable guide is included. Reels can be shipped complete with cable installed, or site mounted by others.

Maximum Reliability

Typical Level Winding Reel and Turnover Anchor
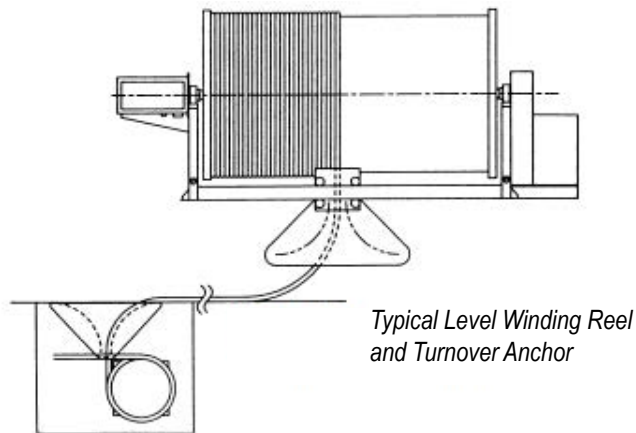
Level Winding reels provide the maximum in cable handling reliability. Due to size of the drum and other components required to achieve this reliability, proper location of the reel is very important. Minimum cable bending is the goal at both the reel and the anchor point. Gleason will be happy to provide assistance on your request for specific application details.

Roller Guide Assemblies
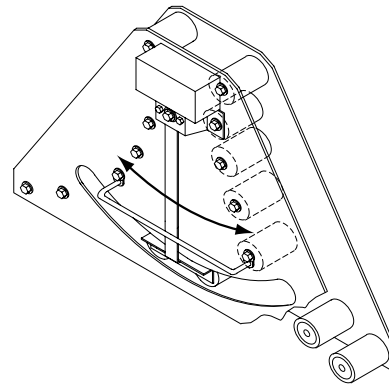
Cable rollers guide assemblies are critical for the proper management of cable being paid out and retrieved in today's demanding applications. Special attention has been given to Gleason's roller guide designs to insure the optimum in efficiency and reliability at each installation. Assemblies are matched to the specific cable diameter and weight and installed to suit the most demanding machine speed and travel limits.
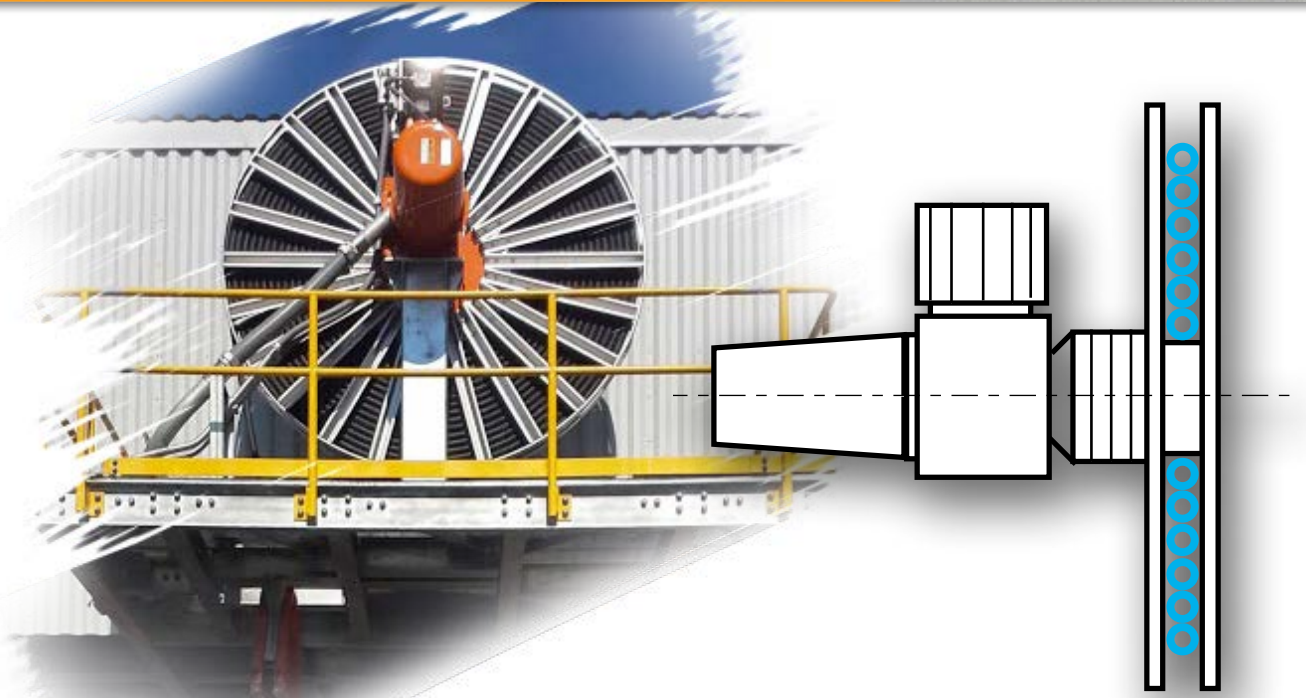
For Demanding Environments

Monospiral cable reels are designed to stack cable in a single, multiple-layer vertical configuration.
They are the solution to applications involving large cables where lateral space may be limited. This narrow spool design, together with proven drive reliability, makes monospiral reels ideal for service in any demanding environment. Monospiral reels are available for low, medium or high speed requirements. The monospiral design allows the reel itself to act as a cable guide. Separate guides may be installed. Each monospiral reel is custom designed using information that you supply regarding your specific application and environment.

About Variable Frequency Drive

- The Gleason VFD reeling system utilizes a drive exclusively programmed to provide a constant reeling torque to the drive motor.

- We use "off the shelf" VFD rated motors. No proprietary clutches, gearboxes, etc.

- Our VFD allows torque control from 0-100% rated torque. Competitors' magnetic clutch only allow for a small window of adjustment.

- The VFD is programmed to reduce the torque when the cable is pulled off the reel; thus eliminating high cable tension caused by the inertia when accelerating the reel backwards.

- Keypad control allows for easy reel directional control for maintenance, i.e. spooling on new cables, etc.

- VFD can be used to monitor cable reel function and alert/stop crane hoist if reel falters.

INQUIRY FORM

Project Data

Representative _____Customer _____

Territory No _____Address _____

Date _____

Lead Time _____

Valid for_____Phone (   ) _____Fax (   ) _____

Prepared by _____Contact _____

Cable Data

Cable Size (AWG) _____Number of Conductors _____Type of Cable _____

Voltage _____Cable O.D._____Cable weight per foot _____

Slip Ring _____Conductors _____Amperes _____Volts _____Hertz_____

Max. cable length for payout _____Total machine travel _____

Supplier of cable to be_____Gleason with reel _____By others WHO?) _____

Application Data   Reel is to_____RETRIEVE _____LIFT ____DRAG ____STRETCH

Duty cycle will be _____cycles per hour/shift day week

Travel speed _____fpm @ acceleration of._____ft/sec^2

Enclosures to be _____Dust-tight _____Other _____

  If other, explain _____

  _____

Reel drive to be _____continuous stall _____other _____

  If other, explain _____

Type of cable spool preferred_____Level wind

  _____Monospiral

  _____Random Wrap

Accessories Required

  Cable Guide for_____one way payout _____two way payout

  Slack Cable Detection _____

  Over-tension Detection_____

  Slack/over-Tension Detection_____

  Anti-Condensation Heater & Thermostat

      In Slip Ring Enclosure_____

      In Drive Motor _____

  Reel Empty Limit Switch _____

  Reel Full Limit Switch_____

PLEASE PROVIDE A SKETCH OF YOUR APPLICATION

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Mayville, WI 53050
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www.hubbell.com/gleasonreel/en

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