

FUNCTIONALITY

- Hydraulic Pump & Calliper Control.
- Electromechanical Brake Control.
- Precision control of drum speed, tension on rope and position of rope/trolley.
- Load Cell evaluation.
- Local Control Station - Sleek design providing optional interlocked door/isolator, basic tension feedback, visual break isolation.
- Tested and Proven Control System for Dynamic Winch Control – Speed, Tension or Position.

TECHNOLOGY

- Flexibility with providing environment 1 or 2 filtered systems.
- Embedded Control Program (IEC 61131 function block diagram).
- Drum Mounted Absolute Encoder.
- Feedback from all field mounted devices (limit switches, proximity sensors, e-stops) on local display.
- FAT Documentation followed at all stages & produced by design team.
- Quick Commissioning due to complete package being tested.
- Software support packages to clients with use of VM (Virtual Machine).

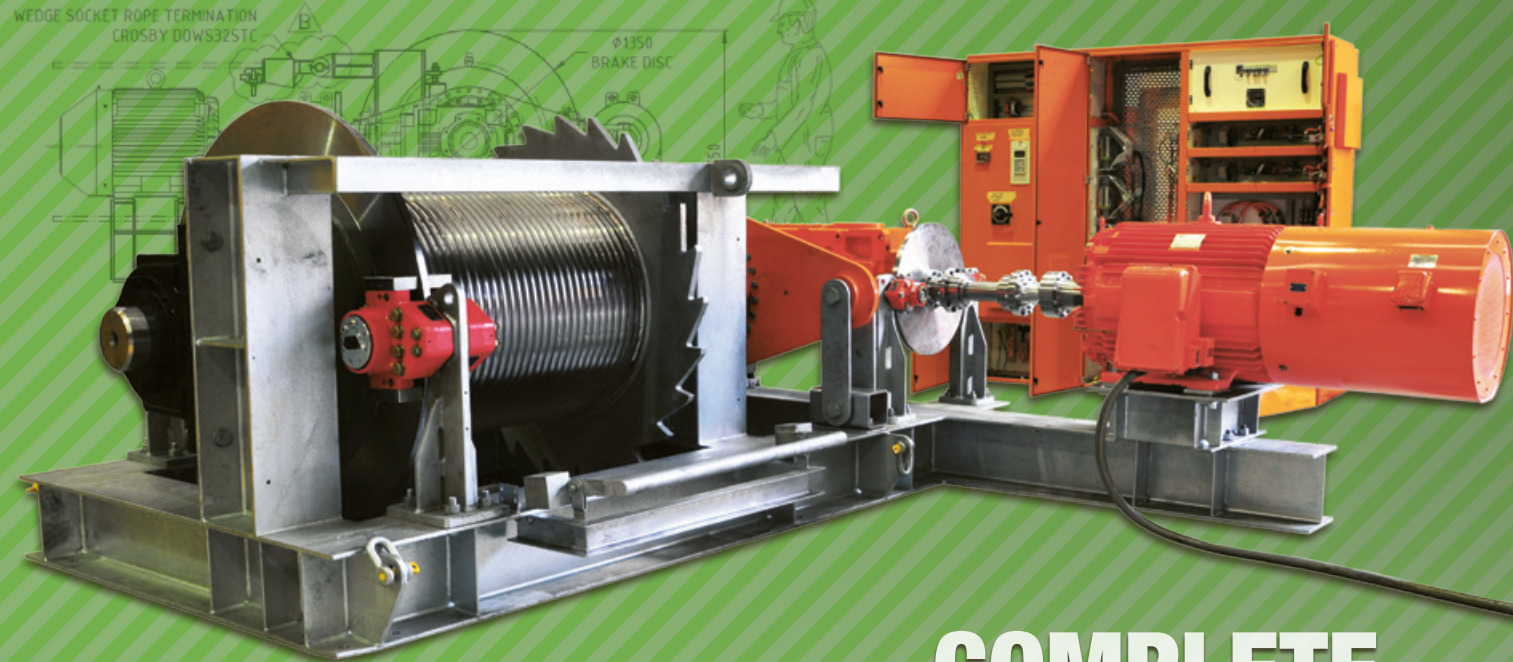
Eilbeck
CRANES

“ONE COMPANY, MANY LOCATIONS, SERVICING AUSTRALASIA”

100 Years
% Australian



Winch CONTROL SYSTEM



ISO 9001

BUREAU VERITAS
Certification



AS 4801

BUREAU VERITAS
Certification



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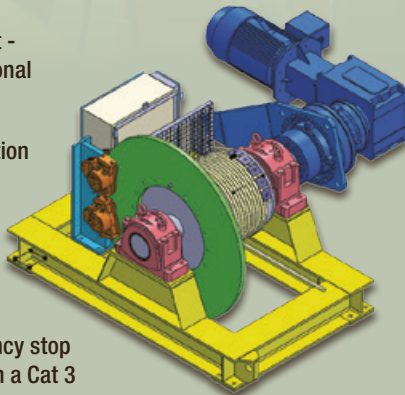
1800 225 325

**COMPLETE
SOLUTION** From
ONE SUPPLIER

SAFETY

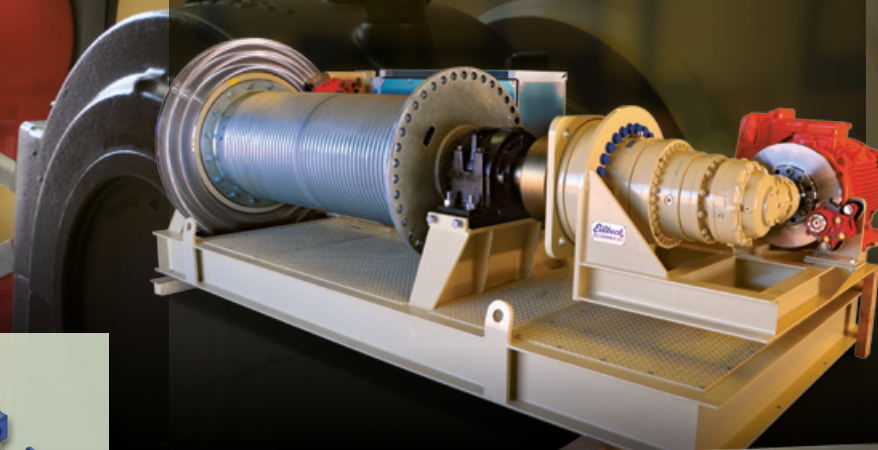


- Form 4B - Segregation.
- Arc Fault Containment - Australian & International Standards.
- Earth Leakage protection on outgoing circuits as per AS3000 and compliant with any site specific specifications.
- Dual channel Emergency stop circuit monitoring with a Cat 3 Safety Monitoring relay.
- Visual Break Isolator Incorporated.



RELIABILITY

- Mining Spec. and Motor for coupling/gearbox failures.
- Thermal Insulation enclosure for high ambient temp applications, ie.: in the pit.
- Forced cooling & Air conditioning options.
- Outer Enclosure to IP56.
- RTDs to Bearings/Motors for monitoring.
- 100% Duty Cycle.
- Monitor Slip between Drum
- Support dual Load Cells for Redundancy.
- LCS - IP66 Sloped Roof, Digital Read out of Process Variable.
- Complete systems, all functions individually tested as per FAT documentation.
- Commissioning FAT/SAT Documentation details steps required to commission winch from start to finish.



SUPPORTABILITY

- Diagnostics.
- Various Bus Options for Interfacing Site SCADA to Winch.
- Ability to hand over complete software support packages to clients with use of VM.
- Comprehensive FAT/SAT documentation, Point to Point, AS3000 Mandatory Testing Results.
- Programming/ Configuration Instructions.
- Comprehensive Functional Test records.
- Complete Functional Unit Description Documents that are easy to navigate.
- Comprehensive and extensive bill of materials.
- On site support provided until project completely commissioned with then continual off site support and return to site if required.

