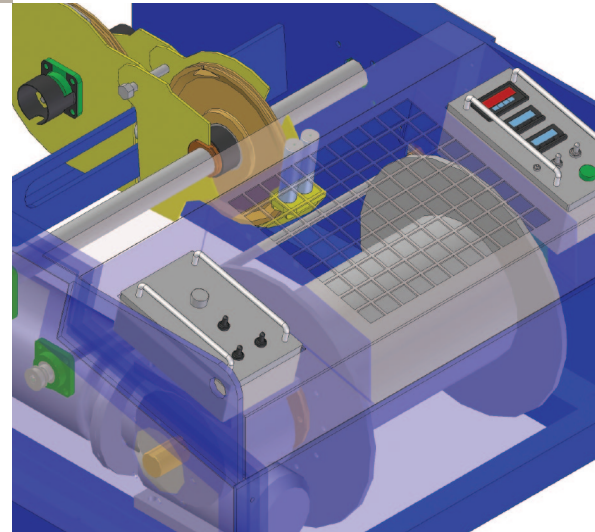
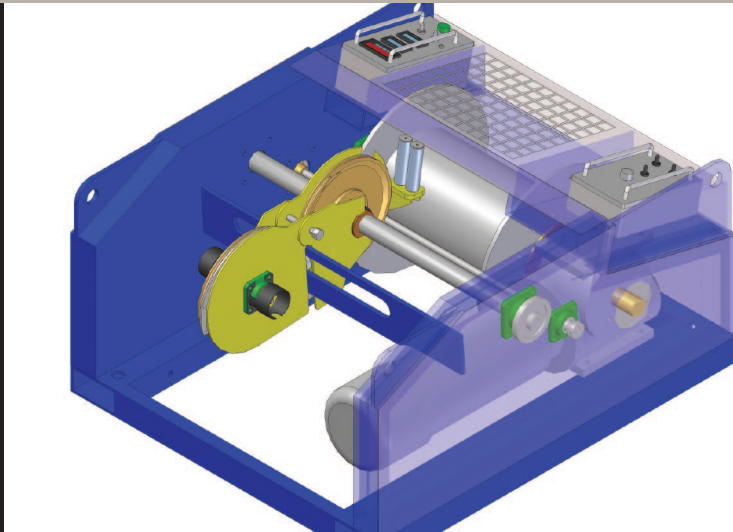


Wireline Winch >> DS2000 Model



DS2000 Wireline Winch

A High-Powered and reliable 240V Winch packed with features

Designed and built after 20 years experience in the service business, DHS proudly presents the DS2000.

Ergonomics, serviceability, reliability and functionality have all been carefully considered in the design process. The DS2000 is packed with features normally reserved for more expensive offshore winches.

The DS2000 combines all the features of the DS3000 model whilst maintaining a small footprint.

Ideally suited to Geophysical logging for depths up to 2000m

Key features

- > Heavy duty construction, design engineered
- > 3.3 kW Baldor permanent magnetic electric motor
- > Variable speed controller IP65 rated
- > Disk Brake
- > 0 - 75m/min cable speed
- > Auto cable spooling with manual override
- > Dust gaiters protect helical shaft
- > Electronic depth counter
- > Mercotac 6 way slipping
- > Cast Aluminium drum construction

DS2000

Construction

The DS-2000 is a winch designed for maximum borehole depths of 2000m utilising 3/16" cable. It is designed with a small footprint made in a strong steel box construction capable of handling the toughest conditions and one that will last for many years. The drum is cast aluminium in construction to provide strength whilst reducing weight. A powder coated finish protects the winch from the elements and looks fantastic on any logging project.

Cable Spooling

The DS-2000 incorporates an accurate cable laying system using a very effective helical cable guide to automatically lay the cable uniformly and precisely on the drum. Although it is unlikely to be required, a convenient and simple-to-use manual adjuster is provided. The life of the helical shaft is increased through the provision of dust gaiters that provide protection from dust and dirt.

Slip Rings

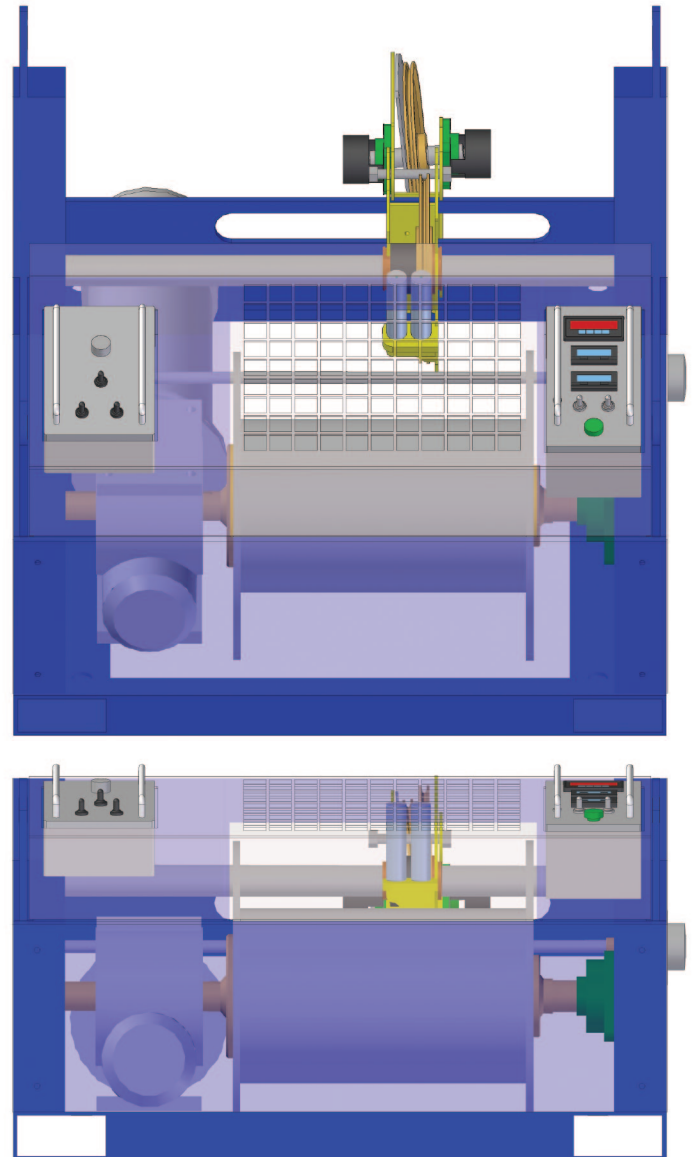
Only the best Mercury Slip Rings are utilised on the DS-2000, providing reliable, uninterrupted communication between downhole instruments and surface acquisition systems. A two way Mercotac slip ring is used for single conductor cable while a 6 way Moog slip ring is used with four conductor cable.

Motor and Controller

The winch is powered by an extremely reliable Baldor DC permanent magnetic electric motor. It is an enclosed fan cooled motor with 20:1 speed range and positive torque. It has short circuit, transient and overload protection and a rugged IP65 control enclosure. A 240V variable speed controller ensures smooth control from 1m per minute up to a maximum mid drum speed of 75m per minute.

Depth and Rate Measuring

Depth is measured by an optical depth encoder with backup provided by a mechanical depth measurement device - essential on any logging project. The measuring wheel is machine grooved and provides continuous cable contact using a spring loaded pressure wheel combination.



Brake

An operator controlled Disk brake provides a positive park or stationary position.

Warranty

Every winch is covered by a 5 year warranty on the frame and one year on all other components.

Weight and Dimensions

Without cable = 300kg

Dimensions = 970wide x 1200 long x 580mm high

>> Contact Information

phone : +61 (0) 8 9250 1827 fax : +61 (0) 8 9274 8189 email : info@downhole.com.au

www.downhole.com.au