



HYDRAULIC Nn-SHUTTLE WINCH

MODEL NO. W1515 - LIGHT DUTY



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The winch drive is from a combined hydraulic motor/gearbox/brake unit. The brake unit is automatically a failsafe unit.

The output shaft of the gearbox is coupled direct to the winch drum and the outboard side of the drum is supported in a sealed ball bearing unit mounted in the winch base frame.

The fabricated steel/aluminium drum has a Lebus grooved barrel to suit 8.2mm dia. cable Rochester 7-H-314 AXX.

Positioned in front of the winch drum is an automatic roller type spooling gear and, when used in conjunction with the Lebus grooved drum, it ensures even multi-layering spooling for the 300 metres of 8.2mm dia. electric strain cable.

Drum dimensions:	470mm. PCD 1st layer	Capacity:	300 metres of 8.2mm. dia. cable in 5 evenly spooled layers.
	600mm. Flange diameter		
	390mm. Between flanges		

The spooling gear is driven by a chain drive direct from the drum stub shaft and mounted on the outboard side of the drum is a slip ring assembly, fully enclosed in a watertight enclosure.

A junction box is fitted to the side of the winch and accommodates the connections from the slip ring. The slip ring outlet is via a male connector LMP-8-MP suitable for the deck cable.

All the winch equipment is mounted on a rigid aluminium fabricated base frame, with all chain drives etc. suitable guarded. The unit is prepared and painted to suit a marine environment using a standard procedure which is used for all survey vessel units.

The winch performance:		Line speeds:	25 metres/min. on 1 st layer
		Line loads:	29 metres/min. on top layer
			345 Kgs. maximum on 1 st layer
			300 Kgs. maximum on top layer

Hydraulic power required to produce the stated performance is 10 litres/min. @ 170 bar pressure.

Overall Dimensions:	0.8 x 0.865 x 0.7 metres (length x breadth x height)
Approximate Weight:	350 kg excluding cable

