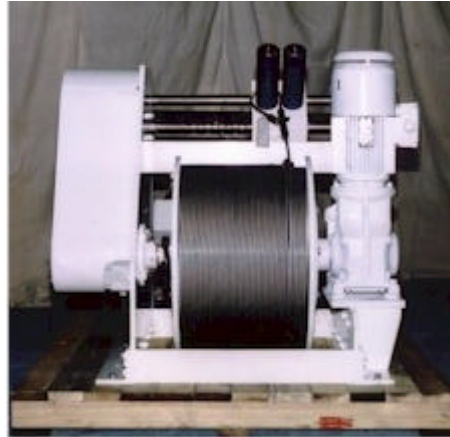




# SHUTTLE WINCH - ELECTRIC



## MODEL NO. 16617 HEAVY DUTY



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**The winch drive is from a combined helical/bevel gearbox, which has an electric motor and brake unit attached. The motor is a 2.2kw unit, and a failsafe disc brake unit is incorporated on the rear of the motor.**

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.

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 500 metres of 8.2mm dia. electric strain cable.

<b>Drum dimensions:</b>	470 mm PCD 1st layer 620 mm Flange diameter 390 mm Between flanges	<b>Capacity:</b>	500 metres of 8.2mm diameter cable in 8 evenly spooled layers
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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 direct on line starter panel is supplied separate from the winch to allow suitable mounting on a bulkhead remotely from the winch.

Fitted to the starter is a 4 core power cable size 1.5mm<sup>2</sup> for connecting to the winch motor on installation. This cable is a standard 20 metres length. Also fitted to the starter is a hand held control unit on a 5 metre lead, the connection to the starter is via a multi pin plug and socket. Electric supply required to the starter would be determined by the client.

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.

<b>The winch performance:</b>	
Line speeds:	25 metres/min. on 1 <sup>st</sup> layer 30 metres/min. on top layer
Line loads:	345 Kgs. maximum on 1 <sup>st</sup> layer 300 Kgs. maximum on top layer
<b>Overall Dimensions:</b>	0.85 x 1.12 x 1 metres (length x breadth x height)
<b>Approximate Weight:</b>	500 kg excluding cable

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