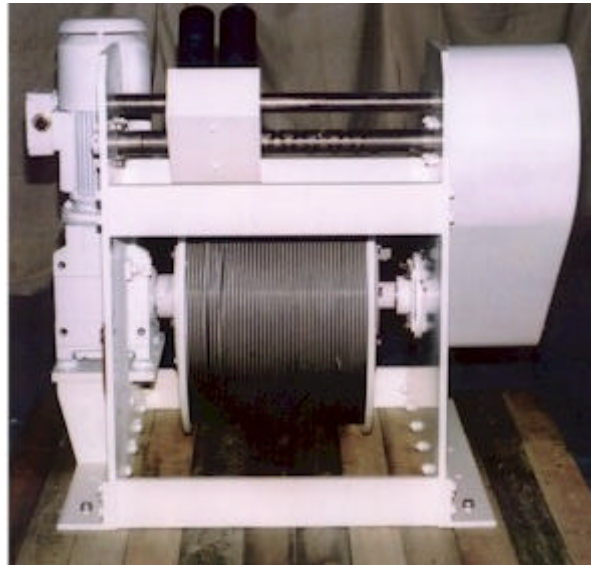




# SHUTTLE WINCH - HYDRAULIC



## MODEL NO. 16575-A (formally W1543) HEAVY DUTY



**Chelsea Technologies Group**  
 55 Central Avenue  
 West Molesey  
 Surrey KT8 2QZ  
 United Kingdom  
 Tel: +44 (0)20 8481 9000  
 Fax: +44 (0)20 8941 9319  
 sales@chelsea.co.uk  
 www.chelsea.co.uk

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 500 metres of 8.2mm dia. electric strain cable.

<b>Drum dimensions:</b>	500mm. PCD 1st layer	<b>Capacity:</b>	500 metres of 8.2mm. dia. Cable
	675mm. Flange diameter		in 8 evenly spooled layers
	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.

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

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

<b>Overall Dimensions:</b>	0.95 x 0.955 x 0.85 metres (length x breadth x height)
<b>Approximate Weight:</b>	500 kg excluding cable

