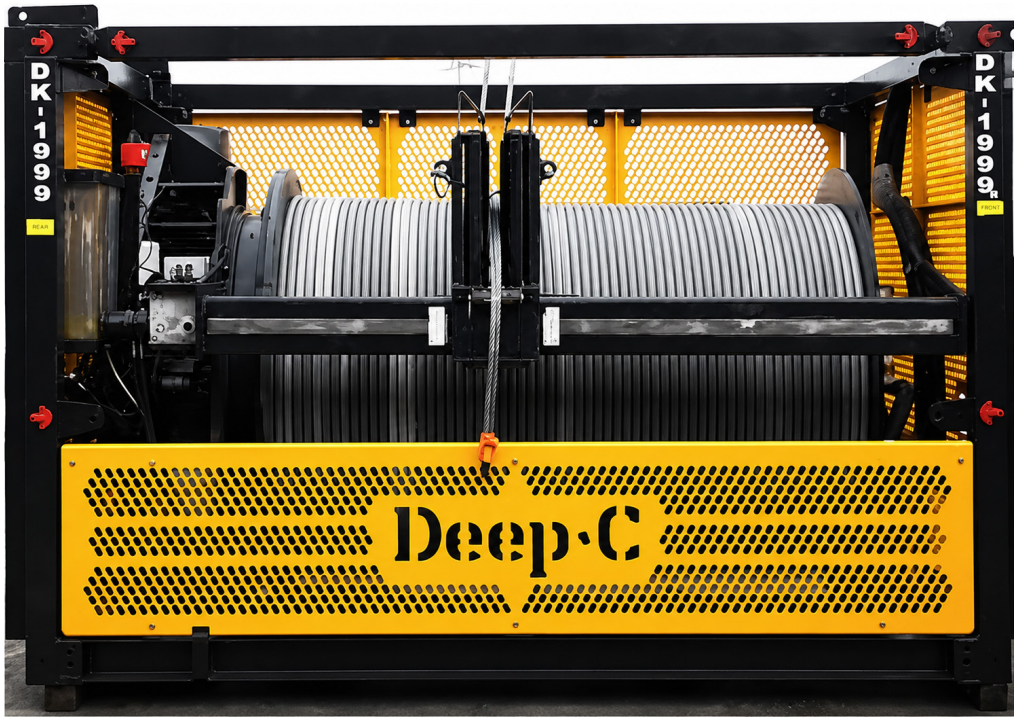
Deep·C®



Deep C Umbilical Winch

Umbilical Handling Solution for Offshore Operations

The Deep C Umbilical Winch is an electrically powered cable handling system designed for deployment, recovery, and storage of subsea umbilicals as part of a launch and recovery package.

The winch is capable of handling up to 1,250 m of umbilical and is designed to maintain safe cable management while respecting the required minimum bend radius. The system operates on a 440V, 60Hz, 3-phase power supply and can be cooled using either freshwater or seawater.

The unit is supplied with DNV 2.7-1 lifting certification and supporting rigging and general arrangement documentation.

Features

- Reliable umbilical deployment and recovery solution for offshore subsea operations.
- Designed to safely manage and store up to 1,250 m of umbilical cable.
- Robust electrically powered system engineered for demanding offshore environments.

deepcgroup.com
mail@deepcgroup.com
+47 71 58 32 28

Seabed Intervention Specialist

Deep·C®

Technical Specifications

Umbilical Winch is an electrically powered subsea handling solution, engineered for the safe deployment, recovery, and storage of umbilicals during offshore operations. Designed as part of a launch and recovery system, it provides reliable cable management, controlled handling, and robust performance to enhance operational efficiency and reduce risk during subsea intervention activities.

Contact sales@deepcgroup.com for more details.

Dimensions

LxWxH:	3 661 x 2 440 x 2 560 mm
Weight in air:	16 000 kg

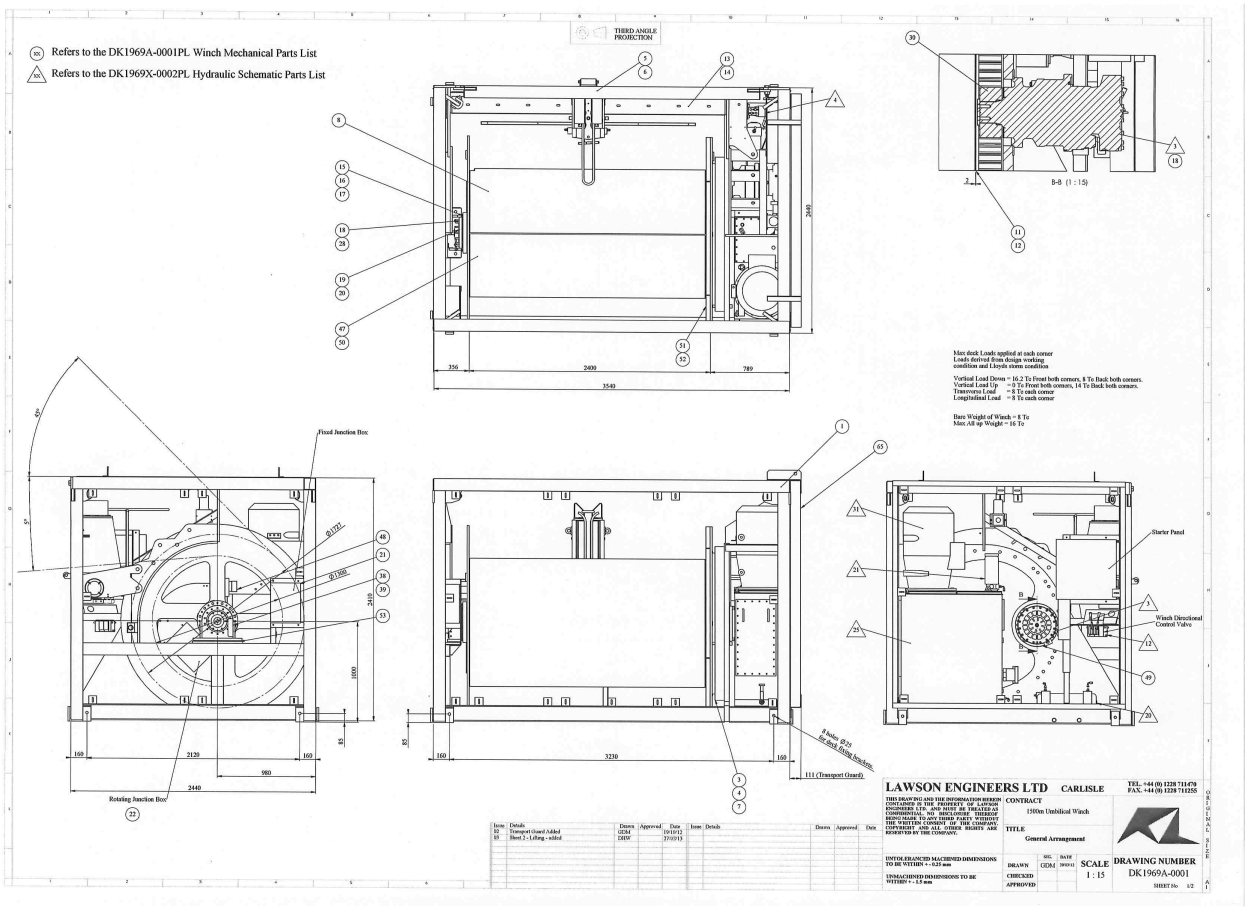
Interfaces & Umbilical Data

Main Power Supply:	440V, 60Hz, 125A, 3-phase (50 m cables, Lugs)
Auxiliary Power:	220V, 50/60Hz, 16A, 1-phase (30 m cables, Socket)
Cooling:	50 lpm Fresh or Seawater (1" Offshore Chicago Claw)
Umbilical Capacity:	1 250 m
Umbilical Weight:	5.05 kg/m in Air, 3.6 kg/m in Seawater
Minimum Bend Radius:	1.3 m

Technical Drawings

Umbilical Winch is engineered for safe and efficient umbilical handling, providing reliable deployment, recovery, and storage capabilities for offshore operations. The technical drawings illustrate the winch layout, dimensional envelope, interface requirements, cable capacity, and certified lifting arrangements.

General Arrangement - Part 1/2



Technical Drawings

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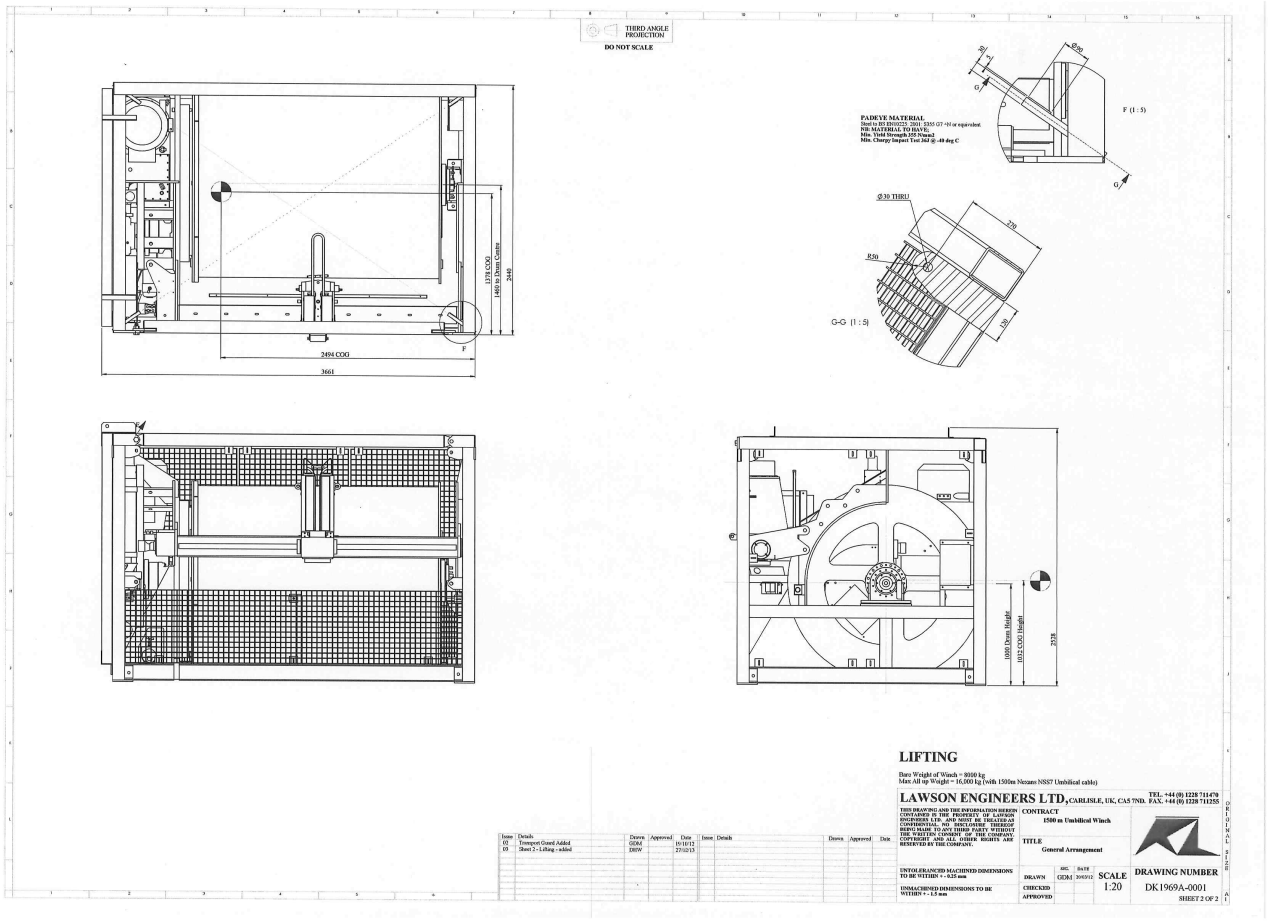
General Arrangement - Part 2/2



Technical Drawings

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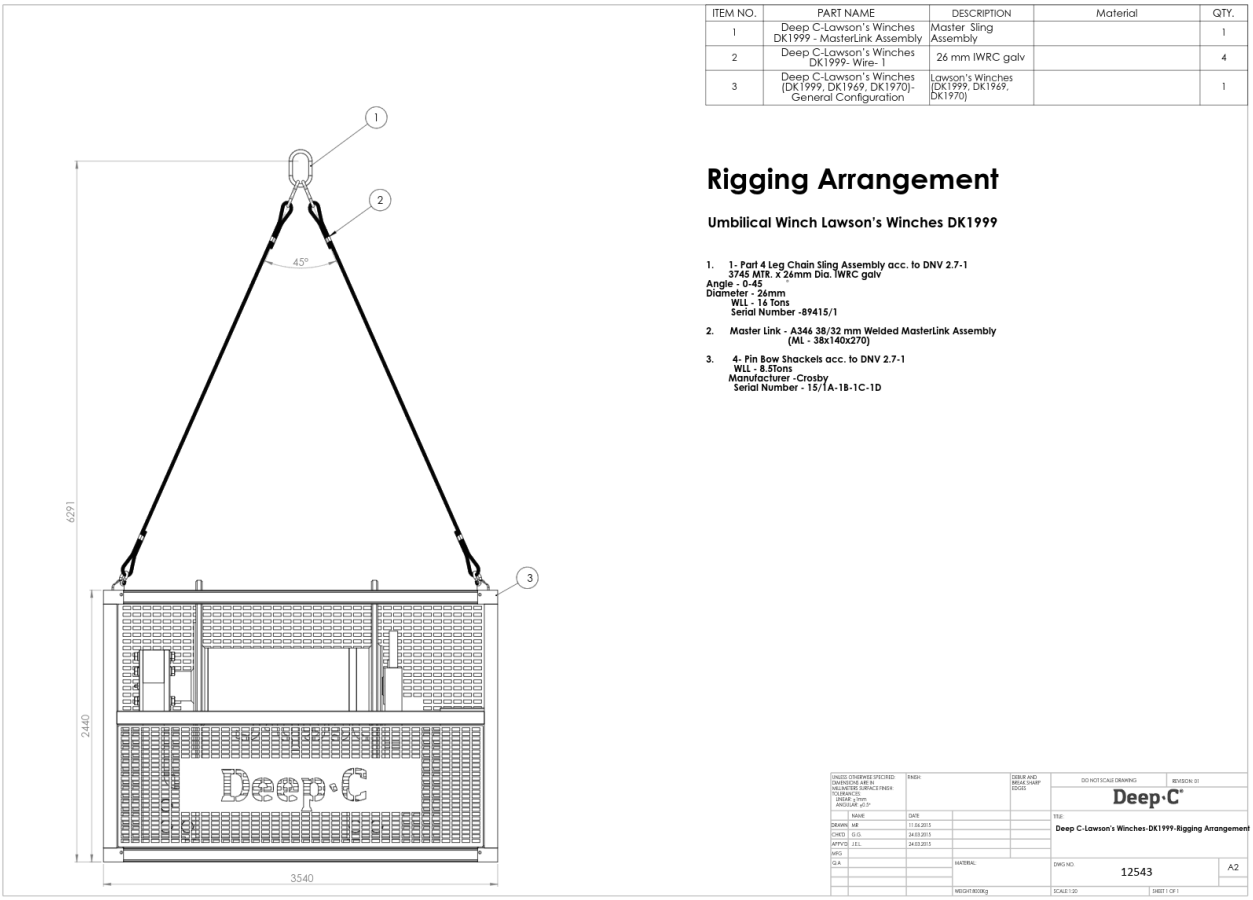
Lifting Arrangement



ITEM NO.	PART NAME	DESCRIPTION	Material	QTY.
1	Deep C-Lawson's Winches DK1999 - MasterLink Assembly	Master Sling Assembly		1
2	Deep C-Lawson's Winches DK1999- Wire- 1	26 mm IWRC galv		4
3	Deep C-Lawson's Winches (DK1999, DK1969, DK1970)- General Configuration	Lawson's Winches (DK1999, DK1969, DK1970)		1

Rigging Arrangement

Umbilical Winch Lawson's Winches DK1999

1. **1- Part 4 Leg Chain Sling Assembly acc. to DNV 2.7-1**
   3745 MTR. x 26mm Dia. IWRC galv
   Angle - 0-45°
   Diameter - 26mm
   WLL - 16 Tons
   Serial Number -89415/1
2. **Master Link - A346 38/32 mm Welded MasterLink Assembly (ML - 38x140x270)**
3. **4- Pin Bow Shackels acc. to DNV 2.7-1**
   WLL - 8.5Tons
   Manufacturer -Crosby
   Serial Number - 15/1A-1B-1C-1D

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Deep C-Lawson's Winches-DK1999-Rigging Arrangement

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