

15MT ROV LARS

PERFORMANCE CAPABILITIES



FEATURES

LARS Base

- ▷ Base designed and constructed to support entire system without dependence on host vessel for structural strength and rigidity
- ▷ Deck sized to accommodate UHD class ROVs and TMS
- ▷ Safety grid walking platform
- ▷ Integral lifting eyes with full penetration welds
- ▷ Bolt on sacrificial plates for welding onto ship deck
- ▷ Enclosed base for spill containment with removable drain plugs
- ▷ All hydraulic lines protectively routed through base where possible
- ▷ Positive mechanical stops in deployed and transport position
- ▷ Yellow Fiberglass Gator Grating

LARS Boom

- ▷ Constructed of fabricated square tubing and plate steel
- ▷ Equipped with extension boom to permit safe deployment distance from vessel
- ▷ Telescopic boom fitted with Teflon wear pads for smooth extension and retraction
- ▷ Telescopic section hydraulic hoses routed inside an energy chain for neatness and protection
- ▷ Sized to provide a minimum of 1.5m of clearance between deck and frame of ROV in vertical position
- ▷ Dual marine grade floodlights
- ▷ All Hardware Teflon coated or Stainless Steel

LARS Swing Frame

- ▷ Large Nylatron sheave machined for specified cable
- ▷ Equipped with hydraulic cylinders providing powered vertical and swing dampening capabilities
- ▷ Equipped with slewing gear and pinion providing 300°+ of rotation
- ▷ Slewing motor equipped with automatic brake to prevent free rotation of docking head when joystick is released to neutral position
- ▷ Removable guard provided to prevent cable from riding out of sheave

LARS Docking Head

- ▷ Equipped with failsafe latching cylinders
- ▷ Nylatron sheave designed to slide vertically in cheek plates. This permits removal of umbilical cable from docking mechanism without removing mushroom termination.
- ▷ Latch Sensor System including proximity sensors for each latching finger and indicator lights on control panel.
- ▷ Umbilical wash down point
- ▷ All grade 8 bolts on docking head are xylene coated



LARS Controls

- ▷ Control provided for swing damping cylinders, slewing cylinders, vertical docking head, main boom, extension boom cylinders.
- ▷ All controls use spring centered proportional joystick arrangements except for latching fingers which are on/off.
- ▷ Main lift and extension cylinders equipped with failsafe counterbalance valves to prevent cylinder sink in the event of power loss or hose rupture.

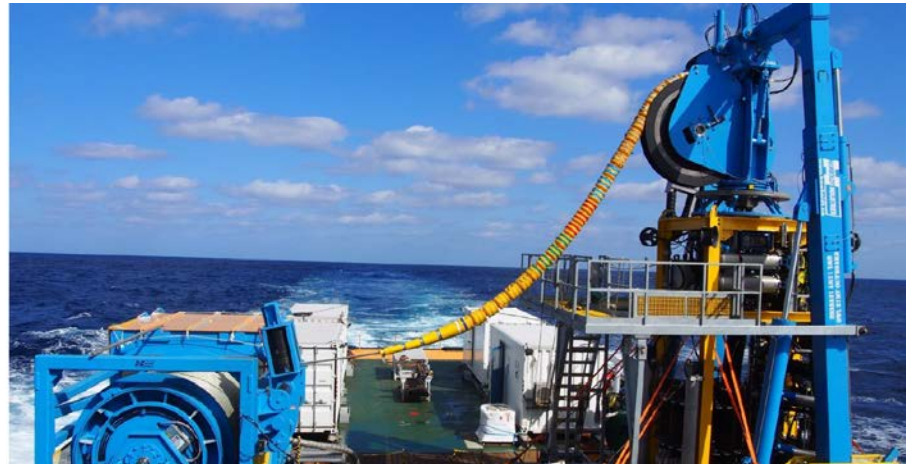
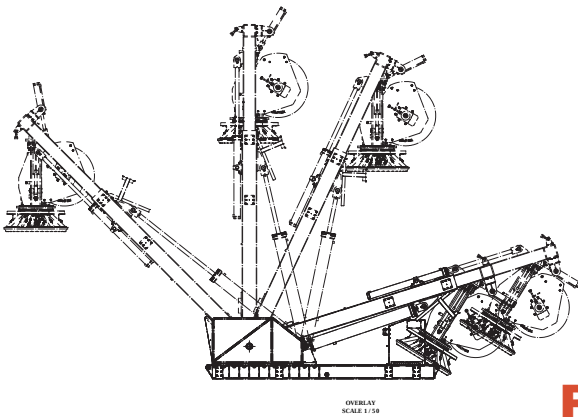
OPTIONS

- ▷ DnV approved lifting slings
- ▷ Remote operators station
- ▷ Automatic self-greasing system
- ▷ Stainless steel hydraulic fittings
- ▷ Configurable sheave for a variety of cable sizes

HAWBOLDT INDUSTRIES

Designed. Built. Marine.

TECHNICALLY SPEAKING



PERFORMANCE CAPABILITIES

SPECIFICATION	DESCRIPTION
Dimensions (stored)	3,650 mm wide x 8,500 mm long x 3,200 mm high
Dimensions (Deployed)	3,650 mm wide x 11,965 mm long x 8,110 mm high
Dimension under docking head	3,658 mm (in deployed position)
Distance Between Arms	2,755 mm
Overboard Lift	20,000 kg SWL
Luffing Lift Capacity	15,000 kg SWL
Weight	27,700 kg
Design Temperature	-20°C to +40°C



ISO 9001 - 2008

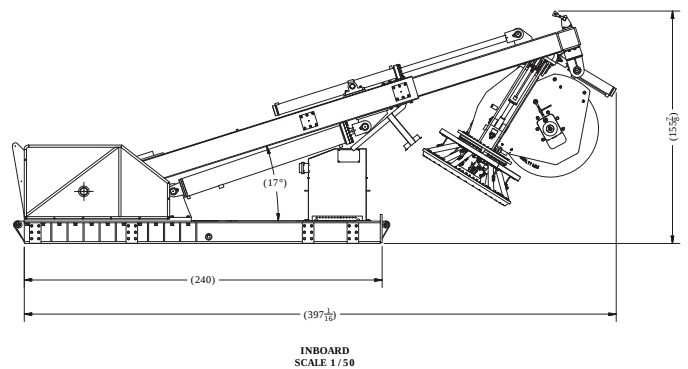
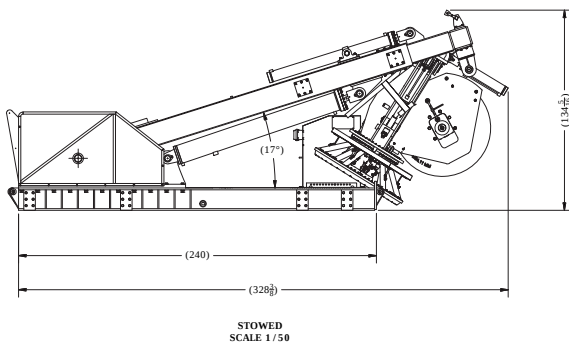
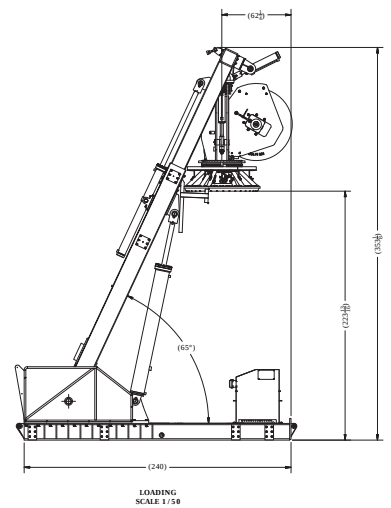
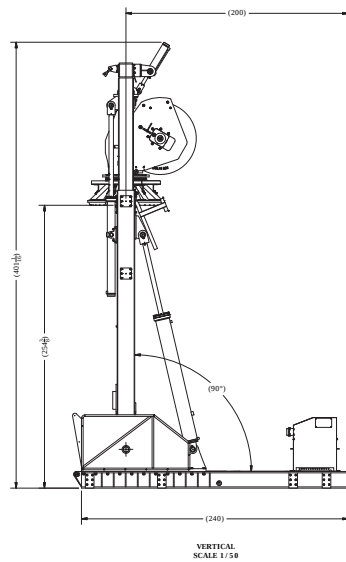
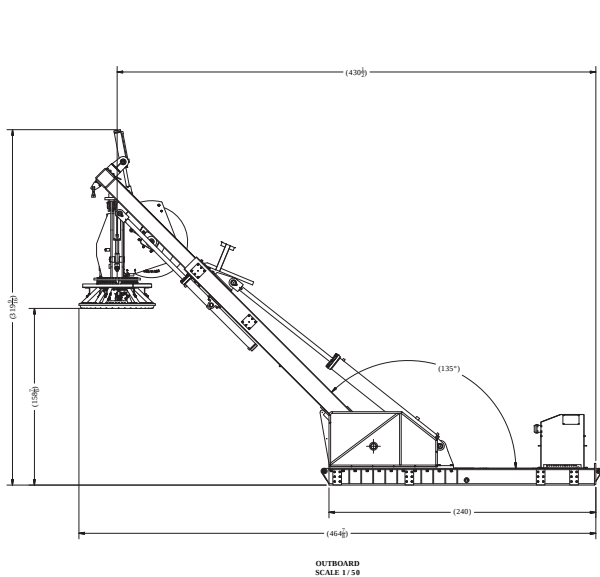
Chester, NS Canada B0J 1J0
T: 1-902-275-3591
 E: sales@hawboldt.ca

www.hawboldtind.com

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All dimensions are in inches.



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