

Ansell Jones

www.t-s-c.com

Lifting, Mooring & Winch Packages



WINCHES & MOORING PACKAGES

*Beyond Integration
Seamless Solutions™*



Hydraulic Winches

Ansell Jones manufactures a wide range of hydraulic winches and power units. Ansell Jones power winches have been used on vessels and rigs in a wide range of applications from simple pull in or lifting functions through to more complex PLC controlled operations for mooring spreads and pipe lay systems.

Ansell Jones has the capability to manufacture complete mooring winch packages whether for jack-up rigs or state-of-the-art offshore pipelay vessels. The 4 or 8 point mooring packages can be supplied with dedicated HPU or run from the vessel ring main. Local and bridge control systems can also be incorporated.

Our versatile range and extensive experience with hydraulic winches enables us to provide custom built products to cater for most deck operations and can be integrated into other vessel systems for safe, smooth and reliable offshore operations.



Features

- Standard range from 5Te upwards;
- Can be supplied with dedicated HPU or to run from ring main;
- Custom options and controls for different applications such as mooring, A&R systems or pipe lay vessels;
- Third party design approvals available upon request;
- Local or remote operator control;
- Supplied with full rigging package for diversion of winch wires around the vessel.

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FPSO Installation/Riser Winch Packages

Ansell Jones has extensive experience in providing high capacity mooring and riser installation winches for permanently moored offshore production and storage vessels. These winches have extremely high line pulls up to 600Te. Ansell Jones winches are designed and manufactured under the supervision of a third party such as DNV or ABS, as required by the client.

These winch systems are generally provided with their own dedicated power unit and remote control stand to ensure safe operation of the winch.



Features

- PLC controlled to give condition monitoring of winch and HPU status;
- Designed to suit space available and deck layout for pull in operations;
- Hazardous area and IP rated to suit the project requirements;
- Typical Line speed 3m/min at max load, 6m/min at reduced load and 10m/min no load;
- 1.5 x SWL failsafe brake holding capacity.

Specifications

Title	FPSO Installation/ Riser Winch Packages
Brake Holding Capacity (Te)	900
Max. Capacity (Te)	600

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Electric Winches

Ansell Jones designs and manufactures a range of electrical winches ranging from single speed motor drives through to inverter drives with PLC. Many of these inverter driven winches have been supplied with constant tension modes where the drive will adjust torque output from the motor to maintain a line tension set by the operator.

The winch control systems can be designed to work in conjunction with other deck equipment such as tensioners on the vessel. Load/line readouts can be sent into a master control system for safe operation.

All winches can be supplied with 3rd party approvals where required.



Features

- Utilizes the latest drive and motor technology for maximum control and efficiency;
- Options such as remote access and condition monitoring can be included within a PLC controlled winch;
- Single speed, dual speed and inverter driven options available;
- Extensive experience with constant tension winches for pipe lay vessels;
- Third party design approval available as required.

Ansell Jones designs and manufactures air and hydraulic reelers for rigs and vessels. The reelers are individually designed to suit the minimum bend radius of the umbilical. Ansell Jones reelers are designed and certified to DNV 2.7-1 rules.

These reelers are fully guarded with safety interlocks to ensure the system shuts down immediately in the event that one of the access panels are opened. Reelers are supplied with certified lifting points and fork lift truck pockets for handling the equipment.



Features

- Supplied with slip rings or rotary unions for complete connection and control of sub-sea equipment;
- Typically designed and certified in accordance with DNV 2.7-1, 2.7-2 & 2.7-3 rules where required;
- Drum sized to store your required length of umbilical cable;
- Fully guarded with safety shut down mechanisms;
- Certified lifting points for moving and handling the equipment;
- Remote options and spooling systems available.

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Air Winch

Ansell Jones manufactures a range of air winches designed for use on drilling rigs. The range is compact, cost effective and reliable. Ansell Jones air winches are suitable for operating in areas with potentially explosive atmospheres such as, the drill floor, pipe deck and BOP platform on a rig. There are a full range of options for varying wire lengths, preferred method of control and different spooling systems, available to suit individual rig requirements.

Ansell Jones air winches are fully function tested prior to leaving our factory, with installation and commissioning options, if required.



Features

- Typical line pulls up to 20Te, however specially manufactured models are also available;
- Designed and certified to latest DNV, ABS or LRS rules;
- Fully guarded for increased safety;
- Air operated emergency stop;
- Tamper proof pressure regulator factory set then locked.
- ABS CDS type approved versions available.

Specifications

Title	Air Winch
Weight (kg)	1354
Air Pressure Req (bar)	6
Line Speed (m/min)	16
Safe Workload (kg)	5100 (Top Layer)

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Deck Fitting & Hardware

Features

- Standard range of deck mooring equipment available;
- Complete packages supplied for mooring and rigging systems;
- Non-standard equipment designed and certified to suit your requirements;
- Third party certification available on some products from bodies such as Lloyds, DNV and ABS.



Multi-angled Fairleads - Channel Type 2 x 2



Bulwark Mounted in Flat Plate



Pedestal Rollers



Chain Stopper and Plinth

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Hoisting Equipment

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