Sheaveless COBRA™
Control Line Manipulator Arm

Key Benefits and Features

- Improves safety and efficiency during control line running operations
- Eliminates sheaves rigged up in derrick
- Eliminates man-riding activities associated with sheave rig-up
- Control lines can be run from below the rig floor through a mouse hole or from behind the tool
- Rated to run control lines with a maximum combined breaking strength of 31 tons
- Quick and easy clamp installation, as Sheaveless COBRA™ presents and holds control lines in the ideal position against tubing
- Control line integrity management – Sheaveless COBRA™ interlocked with spider
- Enables off-line rig-up of spoolers and control lines
- Enables pre-termination of completion assemblies
- Free-standing set-up; Sheaveless COBRA™ mounts onto its own base-plate for stability
- Control line and umbilical tension-monitoring system complete with read-out
- Control line “cut and secure” system allows the driller to cut the control lines safely in the event of dropped string
- The secure feature holds the cut-ends from the spoolers to prevent uncontrolled backlash of control line towards spoolers
- Remote operation allows for single handed control of Sheaveless COBRA™, spider, and elevator
- Hydro-pneumatic control system with safety interlocks enhances personnel safety while ensuring control line integrity
- Drive rollers allow control lines to be driven through the Sheaveless COBRA™ to provide additional line at the rig floor
- Mechanical safety latches prevent arm from being accidentally lowered during clamp installation

Use in the following applications: Deepwater and ultra-deepwater

Specifications

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<th>Automated Manipulation of Control Line</th>
<th>Interlocks and Docks with Spider</th>
<th>Control Line Tension Monitoring and Emergency Cutting System</th>
<th>Eliminates the Need to Mount Sheaves in Derrick</th>
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