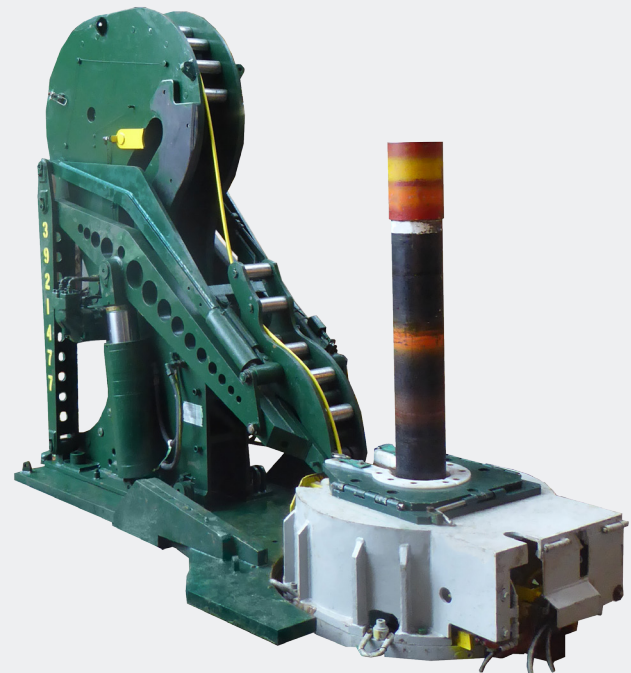


Sheaveless COBRA™

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
- Electro-hydraulic 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

Shelf

Specifications

	Automated Manipulation of Control Line	Interlocks and Docks with Spider	Control Line Tension Monitoring and Emergency Cutting System	Eliminates the Need to Mount Sheaves in Derrick
Control Line Pusher Arm	•			
COBRA™	•	•		
Sheaveless COBRA™	•	•	•	•

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For more information call 1-800-833-7265

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