



## *PowerArm 2.1 Positioning Device for TorkWrench™ Iron Roughneck*

The Weatherford self-supporting PowerArm 2.1 positioning device moves an attached TorkWrench iron roughneck from its parking position to and from the well center. Mounted on the rig floor, the positioning device provides a secure and convenient way to move the iron roughneck without a track or suspension line.

During makeup and breakout of the roughneck, the PowerArm 2.1 guides the TorkWrench tong to accurately position the attached roughneck horizontally and vertically. The tong has a maximum horizontal stroke of 79 in. (2,000 mm) and can be moved vertically by approximately 39.4 in. (1,000 mm) to align its height with the device. The PowerArm 2.1 device extends and retracts without altering the vertical position of the TorkWrench tong.

A pneumatic control unit can be used to operate and control the PowerArm 2.1 device and the TorkWrench tong for optimal viewing throughout the process.



### *Applications*

- Trackless and suspension-line-free positioning of the TorkWrench iron roughneck

### *Features, Advantages, and Benefits*

- The PowerArm 2.1 positioning device provides quick, safe, and accurate operation.
- The device extends and retracts without altering the vertical position of the attached TorkWrench tong.
- The PowerArm offers total control through the valve section of the TorkWrench tong.
- The PowerArm enables a rotation angle of nearly 360° to move the TorkWrench tong away from the working area or to perform makeups at the borehole or mousehole.

