PowerArm® 4.4 Positioning Device

Trackless and suspension-line-free positioning of
Weatherford iron roughnecks and casing and tubing tongs

Applications

- Land rigs
- Semisubmersibles
- Drillships
- Platforms
- Jackups

Features and Benefits

- The device features a large horizontal stroke, which enables positioning the device farther away from well center, and a large vertical stroke, which enables the device to handle high stick-up heights.
- The trackless positioning device eliminates potential tripping hazards.
- The PowerArm 4.4 positioning device can rotate 360° to move the tong away from the working area to perform makeups at main and auxiliary rotary tables.
- The PowerArm 4.4 positioning device extends and retracts without altering the vertical position of the attached tong.
- The device comes fully mechanized and can easily be integrated into existing anti-collision systems.
- The positioning device supports the use of mud buckets—including mud tanks—to capture drilling mud for reuse, which helps to maintain a clean, safe working environment.
- The PowerArm 4.4 positioning device is available with either DNV and IECEx type approval or NEC 500 approval, based on clients' needs.

The PowerArm 4.4 positioning device provides 360° rotation to enable movement of the tong from main and auxiliary rotary tables.

Tool Description

The Weatherford self-supporting PowerArm 4.4 positioning device moves an attached tong from its parked position to and from well center. Mounted on the rig floor, the positioning device provides a secure and convenient way to move the tong without a track or suspension line.

The PowerArm 4.4 positioning device accurately positions the tong horizontally and vertically. The device features a maximum horizontal and vertical stroke of 13 ft (4 m). The positioning device extends and retracts without altering the vertical position of the tong.

Specifications

Vertical stroke	13 ft (4 m)
Horizontal stroke	13 ft (4 m)
Rotational angle	360°

Weatherford®