



## *7.6-50 Hydraulic Tubing Tong*

The Weatherford 7.6-50 hydraulic tubing tong provides 50,000 ft-lb (67,791 N•m) of torque capability for makeup and breakout of 2 7/8- to 7 5/8-in. tubing, especially with the patented\* Weatherford Micro-Grip® pipe-gripping system. Moreover, the backup tong can grip up to 8 5/8-in. pipe. The ergonomic design of the tong enables safe and efficient makeup of premium, high-torque connections on both standard and corrosion-resistant alloy (CRA) tubulars. The patented free-floating hydraulic backup virtually eliminates bending and shearing when making up or breaking out connections. Features such as the integrated thread-compensation system, the optional Micro-Grip inserts, and the free-floating hydraulic backup help to ensure proper connection makeup and long-term wellbore integrity. The tong is fully compatible with Weatherford tong-positioning systems, and operation can be fully or semimechanized.



### *Applications*

- Making up and breaking out 2 7/8- to 7 5/8-in. tubular strings, or up to 8 5/8-in. tubular strings with the backup tong
- Making high-torque, premium connections on CRA tubular strings
- Making connections on standard tubular strings

### *Features, Advantages, and Benefits*

- An integrated thread-compensation system prevents thread damage, which saves on repair costs.
- The optional Micro-Grip system minimizes marking on the tubular surface to avoid expensive repairs associated with stress corrosion cracking and sulfide stress cracking.
- The extra-length jaw design maximizes the gripping contact area, which facilitates instant switching from makeup to breakout for greater operational efficiency.
- The hydraulically controlled and preloaded brake establishes the initial gripping force to ensure a positive grip without costly damage to the tubular surface.



\*U.S. Patent No. 6332377



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### *Features, Advantages, and Benefits (continued)*

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- The make/break switch provides the choice of fully mechanized or manual operation to fit the operational need.
- The turns-counter module is interchangeable to facilitate continued service and easy maintenance.
- The safety interlock system prevents tong operation when the door is open, which reduces the risk of personal injury and equipment damage.
- The dual-displacement piston motor enables shifting between high and low gears while running for uninterrupted rotation.
- The tong complies with the ATEX 94/9/EC directive to ensure safe operations in potentially explosive Zone 1 atmospheres.

### *Options*

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- An optional stabbing guide is offered for use with the backup tong.