



The Tong Line Pull System helps reduce drill collar and tool joint failures by providing accurate torque measurement during pipe, tubing, casing, and drill collar make-up.

The system measures line pull and converts it to foot-pounds through a hydraulic tension load cell and pressure-sensing gauge. Complete mounting hardware is included for easy installation and reliable field performance.

BENEFITS AND FEATURES

- ◆ Reduces drill collar and tool joint failure by providing accurate torque indication during make-up and break-out operations
- ◆ Target pointer allows the driller to set and monitor required torque values with a clear visual reference
- ◆ Large 6" fluid-filled gauge provides stable readings and easy viewing in rig environments
- ◆ Heavy duty piston and cylinder tension load cell designed for long service life and minimal maintenance
- ◆ Displays line pull in pounds to determine make-up torque on drill collars, tool joints, and drill string components
- ◆ Accuracy $\pm 0.5\%$ for reliable torque indication
- ◆ Compatible with all manual tong operations with permanent or temporary mounting options
- ◆ Mounting configurations include tong handle bracket, box mount, or clamp mount
- ◆ System includes 6" gauge, high pressure hose, and tension load cell (5 ft standard hose length)
- ◆ Available capacities from 5,000 to 50,000 lbs of line pull, with custom assemblies and dual scale options available
- ◆ Built to API 6A specifications

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