

Description

Tong Torque & Tong Pull Line Systems

Tong Torque Systems accurately indicates torque applied to oilfield tubulars as they are run thereby reducing under and over torqueing which can cause tubular failure. Each system consists of a hydraulic load cell (tension or compression type), shackles (on tension type models), hose assembly, 6" fluid filled gauge with damper assembly and recharge kit consisting of hand pump, and 1 liter of all-weather instrument fluid. The two main types of Tong Torque Systems are:

Indicates make-up or break-out torque (in pounds of line pull) for tool joints, drill collars, and drill string components. This type of system is used in applications where there are more than one set of tongs being used with different handle lengths. A 6" fluid-filled gauge reads directly in pounds of line pull which works in conjunction with a load cell that is connected directly to the tong handle. As each joint is made up, line pull is converted to a hydraulic pressure signal within the cylinder and sent to the gauge via a rubber hose, the gauge displays this signal as pounds of line pull.

To determine the actual torque being applied you multiply the gauge reading by the tong handle length in feet. The gauge comes complete with a target pointer that the driller sets to a corresponding torque requirement. A large variety of systems are available with up to 30,000 pounds of single line pull. Metric, English or dual scale systems are available.

Tong Line Pull



Torque Tong



Indicates torque in foot pounds applied to each joint when using power tongs to run oilfield tubulars. These systems are available for all makes and models of power tongs and come with either compression or tension type load cells that provide an accurate check of make up torque for all oilfield tubulars. Dual scale variations are also available. Rugged, simple load cell designs guarantee extra long life and ease of maintenance.

Tong Torque Systems consist of a Tension or Compression Load Cell, 6" fluid filled Gauge, 5' hydraulic hose (additional hose lengths available), fluid hand pump and 1 liter of all-weather instrument fluid.

Features

CTP Series

Indicates make-up or breakout torque (in pounds of line pull) for all oilfield tubulars.
6" fluid filled gauge.

Operator adjustable target pointer that the driller sets to a corresponding torque requirement.

Models and variations of available to work with all manual tongs.

Capacity ranges from 10,000 pounds to 30,000 pounds of line pull. English, metric and dual scale dial readings available. Customer logo on dial available.

CTT Series

Indicates torque in foot pounds applied to each joint when using power tongs to run oilfield tubulars.

Models available for all makes and models of power tongs.

Tension or Compression style load cells available for use in all power tong configurations.

Wide variety of capacities available to suit all applications and tong configurations

English, Metric or dual scale variations available.

Benefits

Systems designed and built for the rugged requirements of the oilfield. Load Cell's are designed to ensure a long service life with minimum maintenance.

6" Fluid filled gauge has years of proven reliability and ease of maintenance.

Target pointer on gauge helps operator maintain accurate torque.

Box mount or panel mount configurations available.

Specify When Ordering

Tong make and model as well as dial capacity and scale required.

Box Mount or Panel Mount.

Hose length required if different than standard (5' for CTT series standard and 25' for CTP series standard).

Tension or compression type load cell.