

TorkPro™ 3 Torque/Turns Analyzing Software

Records, analyzes, and evaluates data associated with tubing and casing connections

Applications

- Monitoring, evaluating, and reporting torque data for makeup and breakout of all tubing and casing connections
- Acquiring and processing data from compatible Weatherford computer systems that measure torque, turns, and length
- Evaluating connections made with Weatherford equipment, including power tongs, bucking units, and the OverDrive™ system

Features and Benefits

- The software is periodically upgraded to the latest pipe manufacturer standards for accurate evaluation of connection integrity.
- Job data is stored in a cloud to enable easy access to historical information.
- Offline access facilitates job preparation and post-process job evaluation.
- Connection data of previously built stands can be easily integrated with the final string connection documentation. This functionality enables storing data for all string connections in the correct order in one database.
- The software enables real-time analysis of the makeup process and evaluates connections for acceptance or rejection, which minimizes response times to connection problems.
- The color screen and easy-to-use zoom functionality improve graph analysis.
- Continuous graph overlay functionality and a statistics screen enable quick comparison of graphical data to identify unusual trends in relation to connection profiles.
- The auto-evaluation feature notifies the technician about connection integrity.
- WITSML functionality allows exporting makeup data from TorkPro 3 software to the client's WITSML server, which provides central storage of all well-related data.
- The long-term recording functionality can be used in conjunction with the OverDrive system when reaming casing strings to total depth.



By providing remote access for real-time monitoring, TorkPro 3 software enables Weatherford experts and clients to view the complete connections process on a computer, notebook, smart phone, or tablet.



TorkPro™ 3 Torque/Turns Analyzing Software

Tool Description

Weatherford TorkPro 3 torque/turns analyzing software records, analyzes, and evaluates data from premium connections made up with Weatherford equipment, including power tongs, bucking units, and the OverDrive system. First the TorkPro 3 software acquires and processes torque/turns data from a real-time measuring system. Then it automatically evaluates and notifies technicians about the integrity of connections.

TorkPro 3 software provides remote access for real-time monitoring. Weatherford torque/turns experts or clients can view the complete process on a computer, notebook, portable smart phone, or tablet by accessing the statistics feature.

The software generates job reports in portable document format (PDF) and saves them in a secure cloud for retrieval after makeup. The reports provide graph signatures such as shoulder turns, delta turns, shoulder-slope calculations, and graph overlays. The software can display all measurements in multiple units (imperial, metric, or both).

The software is compatible with all Weatherford torque/turns measuring systems, including the JAMPro™ and JAMCompact™ systems, as well as torque process control (TPC) systems that are used in pipe mills and bucking facilities. The cloud stores TPC graph signatures that include unique identification numbers for the made-up stands. When running the stands into the well, the connection numbers can be displayed in sequence to verify connection and well integrity for the complete string.

