

# TorkWrench® 10-160 Mobile Bucking Unit

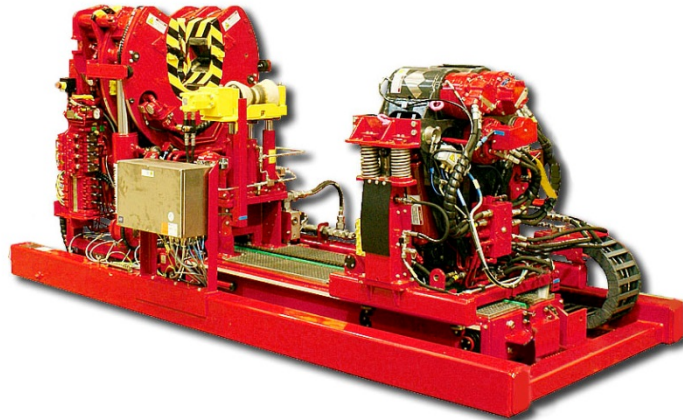
Generates high torques for the makeup and breakout of drillpipe with diameters ranging from 2-7/8 to 10 in.

## Applications

- Makeup and breakout of joints of drillpipe stands and bottomhole assemblies that have diameters ranging from 2-7/8 to 10 in.
- High-torque makeup and breakout operations up to 160,000 ft-lb (216,931 N·m)

## Features and Benefits

- High-torque wrenching and spinning units combine for faster makeup and breakout operations.
- The three-jaw gripping system enables equal load distribution, which eliminates shear forces on tool joints and reduces backup clamping pressure while spinning.
- The top-loading capability simplifies equipment handling and conserves valuable space. An additional pipe-feeding transport is not required.
- The electronic control system enables remote operation and reduces the number of required rig personnel for enhanced safety.



Mounted on a transportation platform, the TorkWrench 10-160 MBU saves time by providing high-torque offline makeup in the workshop or on the rig.

- The free-floating spinning system follows the movement of pipe, which protects the tool joint and minimizes drillpipe damage caused by conventional systems.
- Its compact design enables using the bucking unit on the pipe deck for fast, easy rig up and rig down.
- Optional explosion protection according to ATEX regulations supports safe makeup and breakout operations in potentially explosive Zone 2 atmospheres.

## Tool Description

The Weatherford TorkWrench 10-160 MBU is designed exclusively for making up and breaking out joints of drillpipe that have tool joint diameters ranging from 2-7/8 to 10 in. The TorkWrench 10-160 MBU is capable of generating torque up to 160,000 ft-lb (216,931 N·m) in makeup and breakout modes.

The complete system consists of a wrenching tong system, a drillpipe spinner unit, a hydraulic power unit, and an electric control cabinet with a complete remote control. All system components are mounted on a transportation platform.

## Specifications

Clamping range	2-7/8 to 10 in.
Maximum wrenching torque: 8- to 10-in. pipe	160,000 ft-lb (216,931 N·m)
Stepless clamping range	3-1/2 in.
Wrenching angle in make and break direction	40°

