



TENSION COMPRESSION SUB

The Tension Compression Sub (TCS) is a device designed to accurately measure the downhole load on any Pegasus tool string. This module gives real-time surface readout providing the engineer with an invaluable tool to detect and prevent tool string hang up. This new unit has pressure compensation capability with the load measurement achieved by means of a precise strain gauge situated within the housing. TCS can be mounted directly below the telemetry module (WTS) or anywhere in the tool string and is fully digital measurement.

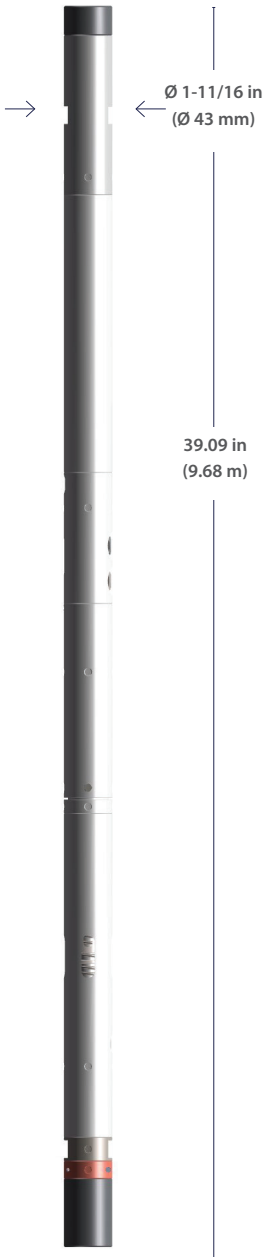
FEATURES

- Fully pressure balanced design Extended fingers available
- Precision load cell
- Built-in temperature sensor
- Tension and compression values internally calibrated for temperature

APPLICATIONS

- Wireline, Tractor or coil tubing deployments
- Monitoring tension and compression in real-time
- Avoid damage to logging tools or wireline cable

SPECIFICATIONS



TCS 43	
PN: 300002515	
GENERAL SPECS	
Working Temperature	-4°F ~ 347°F (-20°C ~ 175°C)
Working Pressure	20,350 psi (≤140MPa)
Working Voltage	18V - 36V DC
Working Current	40±10mA @18V
Tool Diameter	1.69in (43mm)
Shipping Length	42.36in (1051mm)
Make-up Length	39.09in (968mm)
Tool Weight	17.64lbs (8.0Kg)
Telemetry	GOWell Pegasus Star tools
Measuring Range	±2000kg
Resolution Ratio	0.1kg
Accuracy	±1%FS
Sensor Measuring Point	426mm(16.77in)(from bottom end of tool)
Connection Type	13-Pin

TCS

Cased Hole

PegasusStar

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