

Tension and Compression Tool

Provides continuous downhole tension and compression measurement during logging

Applications

Direct measurement of cablehead tension and compression

Features and Benefits

- Helps prevent unintentional pull out of head and cable damage from excess cable slack
- Provides essential data during stuck tool situations
- Enhances log quality by indicating stick and pull

Tool Description

The Weatherford tension and compression tool provides continuous downhole tension and compression measurement during logging. Such measurement helps prevent damage to wireline cable or logging toolstring. This tool is deployable on electric line, slickline, or coiled tubing.

Specifications

Ratings and Dimensions

Maximum temperature	350°F (177°C)
Maximum pressure	15,000 psi (103.4 MPa)
Outside diameter	1.69 in. (43 mm)
Length	29.6 ft (9.0 m)
Weight	13.2 lb (6 kg)
Materials	Corrosion-resistant

Hardware Characteristics

Combinability	All high-speed digital (HD) telemetry tools (RADii®, iQ™, PL, RAS™)
Acquisition mode	Real time with telemetry control unit (TCU) Memory with memory-logging tool (MLT)

Electrical Specifications

Voltage/current	12 mA at 19 V 7 mA at 50 V
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Measurement Specifications

Range	-1,200 to +1,200 lb (-545 to +545 kg)
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