

FirstSubsea Casing Running Tool

The First Subsea Casing Running Tool (CRT) uses ball and taper gripping technology to handle pipe casing during drilling operations. The tool provides both gripping and/or handling functions as well as rotational torque. Ball and taper provides a powerful grip that overcomes both technical and load limits of traditional die slips, and minimises damage to the pipe casing to provide an ideal solution for pipe handling operations.

Comparison testing of ball and taper technology versus die slip teeth has shown a dramatic reduction in pipe damage in several key areas, including hoop strain and localised stress concentration levels, which amount to 200% - 400% less damage using the First Subsea Casing Running Tool. Directly connected to the top-drive, the CRT automates the process of picking up single joints of casing and stabbing them into



Casing Running Tool Testing in Houma

Ball and Taper

Ball and taper technology, in its simplest form, is the action of balls held securely in tapers machined into the connector's mandrel. As the CRT tool is lowered on to the pipe, the balls roll down tapers and grip the outer wall of the pipe in direct proportion to the load applied, enabling handling of large string loads.

First Subsea's CRT is extensively used by Canrig Technologies Inc. using patented SureGrip™ technology. In 2011, the SureGrip™ CRT was awarded by OTC, the coveted OTC New Technology Award.

Features

- Minimises the damage to the pipe casing
- Overcomes both technical and load limits of traditional die slips
- Dedicated test facilities including 1500T cyclic test rig
- Automated technology reduces manual handling, equipment and personnel
- Quick and easy integration into existing equipment
- Works with pipes of various material and size
- Can be used multiple times



350T Casing Running Tool Segments

FirstSubsea

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