



Building Solid Foundations

TEST REPORT NO: TRD-0031

TEST DATE: February 25th, 2009

ITEMS TESTED: TD225-104 & TDH225-104 (New design hub w/ penetrating head)

TEST PERFORMED: Torsional load test - The hubs were installed into a helical test fixture, which simulates field torque conditions. Torque was continuously applied with a D-9101-0003 wrench tube via a torsional load apparatus.

TD225-104 (3/8" x 10" Helix) 10,000 ft/lb rating	
Load (lb)	Failure Mode
15,786	Hub distorted due to tube rotation / no cracking occurred
14,846	Hub distorted due to tube rotation / no cracking occurred
15,535	Hub distorted due to tube rotation / no cracking occurred

TDH225-104 (1/2" x 10" Helix) 10,000 ft/lb rating	
Load (lb)	Failure Mode
17,138	Hub distorted due to tube rotation / no cracking occurred
17,184	Hub distorted due to tube rotation / no cracking occurred
17,835	Hub distorted due to tube rotation / no cracking occurred



Typical set-up



Typical set-up



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Typical failure



Typical failure

Tested by:
M. Wathen - Engineer
B. Bowers - Quality Control