



U. S. Steel Tubular Products

USS-FREEDOM HTQ™

High Torque Semi-Premium Casing Connection

COUPLING OUTSIDE DIAMETER PER
API 5CT 10TH EDITION PROVIDES
A LOWER STRESSED CONNECTION

BEARING FACE OPTIMIZED FOR
MAXIMUM TORQUE CAPACITY

RUGGED AND PROVEN BUTTRESS
THREAD FORM

API BUTTRESS COMPATIBLE

- Available in sizes 4-1/2" to 6" outside diameter
- Full scale testing to confirm torque and sealability performance
- Increased torque capacity
- Applications: Shale well production casing, horizontal wells with extended laterals, rotating while cementing, and drilling with casing

NOTE: USS-FREEDOM HTQ™ is not interchangeable with USS-CDC HTQ®

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USS-FREEDOM HTQ™

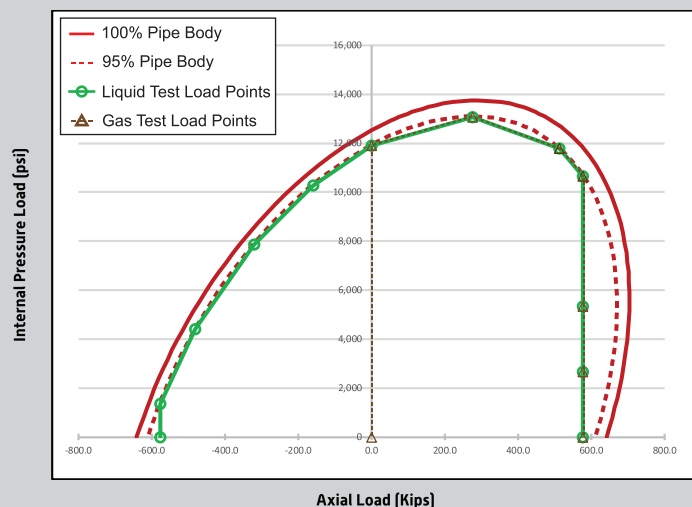
High Torque Semi-Premium Casing Connection

The USS-FREEDOM HTQ™ is a semi-premium threaded and coupled connection that is capable of achieving the highest torque rating in its class through unique and innovative design. This buttress compatible connection maximizes its pin bearing face and maintains the pin-to-pin contact design that is able to sustain a maximum operating torque of 29,500 ft-lbs*.

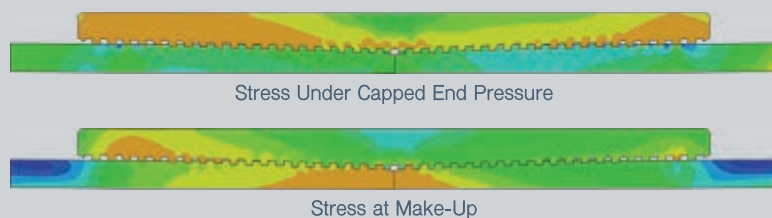
Tested to full pipe body internal pressure rating with 100% tension and compression, this connection is ideal for shale well production casing, horizontal wells with extended laterals, rotating while cementing, and drilling with casing.

*Achieved with 5-1/2" 20# P110 HC material

API RP 5C5 CAL I TEST LOAD ENVELOPE 5-1/2" 20# P110



FINITE ELEMENT ANALYSIS



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