TTXS BENEFITS

- Lower cost connection
- 100% efficiency under tension/ compression and internal/external pressure
- High torque strength
- Reduced erosion corrosion
- Specified torque range
- Interchangeable with TTRS1 and API buttress
- Lower cost accessories

*TTXS and the Tejas logo are registered trademarks of Tejas Tubular Products, Inc.

PROFESSIONAL AFFILIATIONS

- International Association of Drilling Contractors (IADC)
- American Petroleum Institute (API)
- National Minority Supplier Development Council (NMSDC)

tejas® tubular CONNECTIONS

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XTREME SERIES CONNECTION

The Tejas Tubular TTXS* Xtreme Series Connection, a non-upset threaded & coupled connection which allows the pin ends to shoulder inside the coupling, resulting in a more cost-effective production string or liner. The flush bore connection provides increased flow rates with minimum turbulence, allowing for multiple make-and-breaks and unlimited re-cuts. The TTXS has special clearance sizes for use as liners to optimize production rates when production strings are leaking. Connection is 100% in tensile compression, and internal pressure. Thread profile is rugged, faster to make-up, and stronger in tensile and compression than an API 8rd connection.

Applications

- Hydraulic fracturing
- Drilling with casing
- Horizontal well
- Shale formation

Available

- 2 $^{3}/_{8}$" OD to 9 $^{5}/_{8}$" OD

Features

- Threaded & coupled connection
- Shorter coupling length
- Axial pin-to-pin metal contact and torque stop
- Reduced stress thread design
- Flush ID

Finite Element Analysis

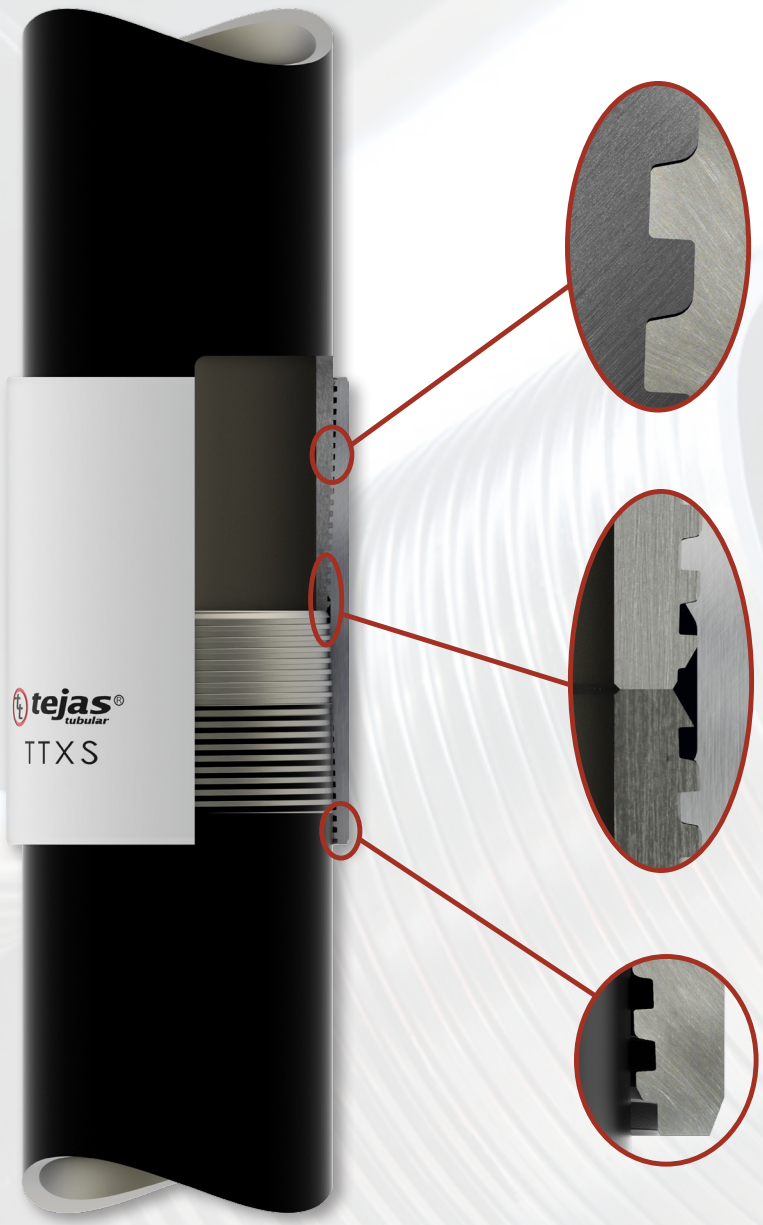
Finite Element Analysis (FEA) was performed by a third-party independent engineering firm to confirm the design.

Torque-to-Yield

Torque-to-yield testing was performed to verify the torsional limits of all TTUS connections.

TTXS Features

tejas tubular CONNECTIONS



THREAD FORM DESIGN

- Standard API buttress
- 100% tensile efficiency

INTERNAL TORQUE SHOULDER

- Axial pin-to-pin contact
- 100% compression efficiency
- Internal flush design minimizes turbulence to prevent erosion corrosion

20° COUPLING OD BEVEL

- Provides smooth downhole operations

**Patent Pending*