

## TTNY BENEFITS

- ✓ Gas-tight
- ✓ Design prevents thread jump-out
- ✓ Eliminates cross threading
- ✓ 100% efficiency under tension/ compression & internal/external pressure
- ✓ Deep stabbing
- ✓ Reduced erosion corrosion
- ✓ 4 times faster make-up than API connection
- ✓ Eliminates galling risk



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## PROFESSIONAL AFFILIATIONS

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



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## STRAIGHT-TO-TAPER CONNECTION



The Tejas Tubular TTNy\* features a rugged straight-to-taper connection design. This is a double lead connection—for every revolution the connection makes up on two threads for faster make-up. The straight section is designed for deep stabbing, while the tapered section provides negative load flank threads, capable of providing sealing to 100% internal pressure while preventing jump-out. The primary metal-to-metal radial seal and the secondary axial metal seal, tested with combined loads of tension and compression to 95% Von Mises Ellipse (VME), providing 100% internal pressure with gas, at ambient and elevated temperature to 365°F.

## Applications

- HP/HT gas well
- Horizontal well
- Hydraulic fracturing
- Shale formation

## Available

- 2 3/8" OD to 9 5/8" OD

## Features

- Straight-to-taper thread design
- Threaded & coupled connection
- Dual landing and starting threads
- Coupling with external 20° bevel
- Three pressure seals, flush ID
- Negative load flank thread

## Finite Element Analysis

A finite element analysis (FEA) of TTNy connection was conducted by an independent third party engineering firm to confirm the connection's design performance.

## Torque-to-Yield

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

## TTNY Features



### THREAD FORM DESIGN

- Tapered thread seal
- Reduces make-up time by 50%
- 100% tensile efficiency

### METAL-TO-METAL SEAL

- Enhanced 5° primary radial seal
- 5° Reverse angle axial seal
- Gas-tight

### INTERNAL TORQUE SHOULDER

- Internal flush design minimizes turbulence to prevent erosion corrosion
- High compression efficiency

### 20° COUPLING OD BEVEL

- Provides smooth downhole operations