

TTUS BENEFITS

- ✓ Cost effective
- ✓ Superior to 8-round connection
- ✓ Robust thread design
- ✓ 100% efficiency under tension/ compression and internal/external pressure
- ✓ High operational torque
- ✓ Reduced erosion corrosion
- ✓ Multiple make-and-break capability
- ✓ Specified torque range
- ✓ Multiple thread re-cuts



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PROFESSIONAL AFFILIATIONS

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



Tejas Tubular Products, Inc.

Corporate Office

8799 North Loop East, Suite 300
Houston, Texas 77029 USA

Tubing & Accessories Plant

8640 North Green River Drive
Houston, Texas 77028 USA

Casing Plant

8740 Miller Road #2
Houston, Texas 77049 USA

Tubing Plant and ERW Mill

600 Caporal Drive
Stephenville, Texas 76401 USA

New Carlisle Works (Casing)

31140 Edison Rd
New Carlisle, Indiana 46552 USA

Phone: 713-631-0071

Toll-Free: 800-469-7549

Fax: 281-822-3401

Email: sales@tejastubular.com

Web: www.tejastubular.com



UPSET SHOULDER CONNECTION

The Tejas Tubular TTUS*, Upset Shoulder connection is a threaded-and-coupled connection. Pin ends are upset to provide increased strength in tension, torque and compression. The connection provides for a more robust design needed when higher torque, higher compression, and rotation are needed through a bend, to drill out a plug or when an API 8rd connection is not sufficient. The 7-tpi (threads per inch) thread design is similar to a buttress thread used on casing, but adapted for tubing sizes ($2\frac{3}{8}$ " to $4\frac{1}{2}$ "). The added torque shoulder gives the connection a stationary mechanical stop to support the higher torque compression and loading.

Applications

- High torque and compression with rotation
- Workover
- Drill out plug
- Production well

Available

- $2\frac{3}{8}$ " OD to $4\frac{1}{2}$ " OD

Features

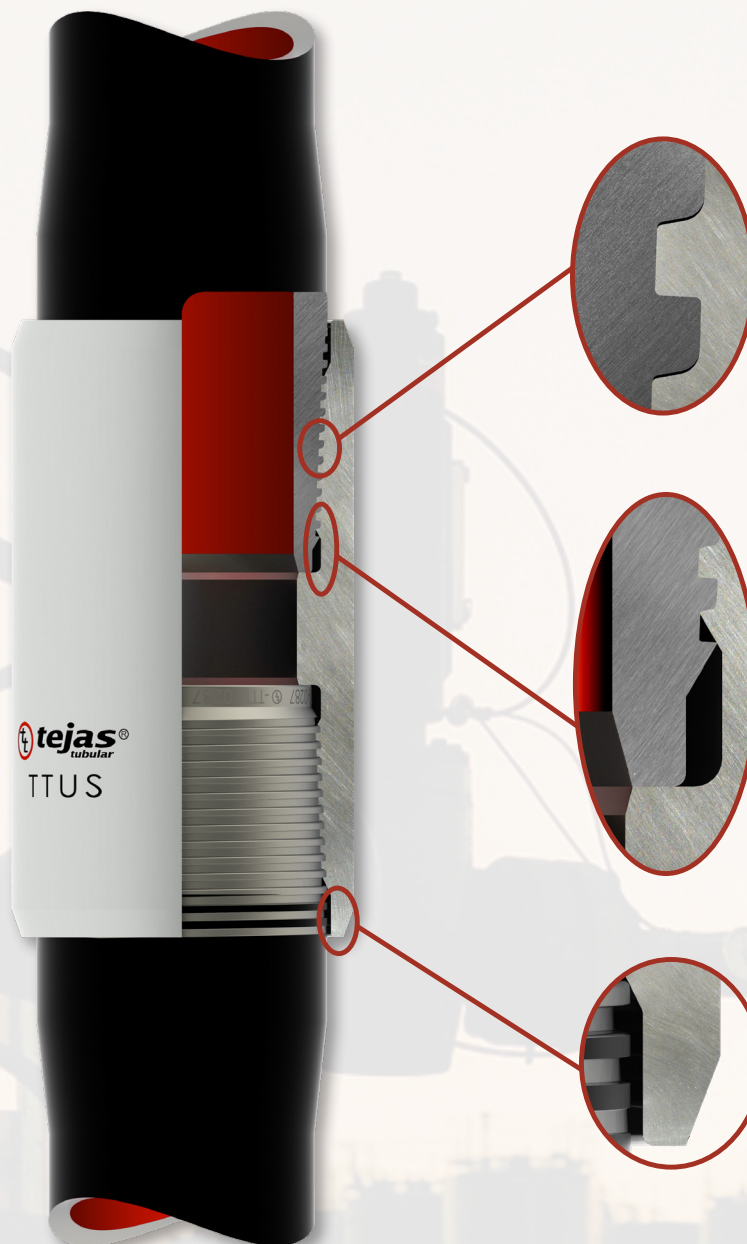
- Standard API upset pin ends
- Threaded & coupled connection
- 7 TPI modified buttress thread form
- Coupling with internal torque shoulder
- Flush ID
- Pull-out thread
- Special clearance (optional)

Test-proven sealability under combined loads

Torque-to-Yield

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

TTUS Features



THREAD FORM DESIGN

- 7 TPI / 1" TPF
- 3° positive load flank
- 100% tensile efficiency

INTERNAL TORQUE SHOULDER

- Internal flush design minimizes turbulence to prevent erosion corrosion
- 100% compression efficiency
- High torque strength

20° COUPLING OD BEVEL

- Provides smooth downhole operations