

## Technical Datasheet

### 4½ in 12.6 lb/ft TX25NP-80 (UNS S32750, 80 ksi)

Clearance: Standard Bevel: 20°

#### PIPE BODY CHARACTERISTICS

Nominal OD	4.500 in
Nominal ID	3.958 in
Min. Yield Strength	80 ksi
Min. Compression Yield Strength (80% asymmetry ratio)	64 ksi
Nominal Wall Thickness	0.271 in
Minimum Wall Thickness	87.5 %
Drift	3.833 in

#### CONNECTION PROPERTIES

Coupling OD (nominal)	4.937 in
Coupling ID (nominal)	3.898 in
Make-up Loss	3.521 in
Coupling Length	7.913 in
Tension Efficiency	100 % of pipe
Compression Efficiency	100 % of pipe
Internal Pressure Efficiency	100 % of pipe
External Pressure Efficiency	100 % of pipe

#### CONNECTION PERFORMANCE

Tensile Yield Load	288 klb
Compression Yield Load	288 klb
Internal Yield Pressure	8 430 psi
External Pressure Resistance	7 500 psi
Max. Bending with Sealability	59 °/100 ft
Max. Structural Bending	81 °/100 ft
Max. Load on Coupling Face	68 klb

#### TORQUE VALUES

Minimum Make-up torque	5 580 ft-lb
Optimum Make-up torque	6 200 ft-lb
Maximum Make-up torque	6 820 ft-lb
Minimum Shoulder Torque	310 ft-lb
Maximum Shoulder Torque	4 340 ft-lb
Maximum Operational Torque	6 820 ft-lb

**Box end finish: Cu-Plating Pin end finish: SS Bead Blasting Lubrication: API-Modified**

