

## Technical Datasheet

### 4½ in 12.6 lb/ft TX25NP-125 (UNS S32750, 125 ksi)

Clearance: Standard Bevel: 20°

#### PIPE BODY CHARACTERISTICS

|                                                        |          |
|--------------------------------------------------------|----------|
| Nominal OD                                             | 4.500 in |
| Nominal ID                                             | 3.958 in |
| Min. Yield Strength                                    | 125 ksi  |
| Min. Compression Yield Strength (80% anisotropy ratio) | 100 ksi  |
| Nominal Wall Thickness                                 | 0.271 in |
| Minimum Wall Thickness                                 | 90 %     |
| 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            | 450 klb      |
| Compression Yield Load        | 360 klb      |
| Internal Yield Pressure       | 13,550 psi   |
| External Pressure Resistance  | 9,890 psi    |
| Max. Bending with Sealability | 66 °/100 ft  |
| Max. Structural Bending       | 115 °/100 ft |
| Max. Load on Coupling Face    | 85 klb       |

#### TORQUE VALUES

|                            |             |
|----------------------------|-------------|
| Minimum Make-up torque     | 7,070 ft·lb |
| Optimum Make-up torque     | 7,860 ft·lb |
| Maximum Make-up torque     | 8,640 ft·lb |
| Minimum Shoulder Torque    | 390 ft·lb   |
| Maximum Shoulder Torque    | 5,500 ft·lb |
| Maximum Operational Torque | 8,640 ft·lb |

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

