

## Technical Datasheet

### 5½ in 23 lb/ft TX25NP-80 (UNS S32750, 80 ksi)

Clearance: Standard Bevel: 45°

#### PIPE BODY CHARACTERISTICS

|   |          |
|---|----------|
| Nominal OD  | 5.500 in |
| Nominal ID  | 4.670 in |
| Min. Yield Strength                                   | 80 ksi   |
| Min. Compression Yield Strength (80% asymmetry ratio) | 64 ksi   |
| Nominal Wall Thickness                                | 0.415 in |
| Minimum Wall Thickness                                | 87.5 %   |
| Drift   | 4.545 in |

#### CONNECTION PROPERTIES

|                              |               |
|------------------------------|---------------|
| Coupling OD (nominal)        | 6.181 in      |
| Coupling ID (nominal)        | 4.603 in      |
| Make-up Loss                 | 4.535 in      |
| Coupling Length              | 10.472 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            | 530 klb     |
| Compression Yield Load        | 530 klb     |
| Internal Yield Pressure       | 10 560 psi  |
| External Pressure Resistance  | 11 160 psi  |
| Max. Bending with Sealability | 48 °/100 ft |
| Max. Structural Bending       | 67 °/100 ft |
| Max. Load on Coupling Face    | 344 klb     |

#### TORQUE VALUES

|                            |             |
|----------------------------|-------------|
| Minimum Make-up torque     | 7 170 ft-lb |
| Optimum Make-up torque     | 7 970 ft-lb |
| Maximum Make-up torque     | 8 760 ft-lb |
| Minimum Shoulder Torque    | 400 ft-lb   |
| Maximum Shoulder Torque    | 5 580 ft-lb |
| Maximum Operational Torque | 9 640 ft-lb |

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

