

**Technical Datasheet****4½ in 17 lb/ft TX28-110 (UNS N08028, 110 ksi)****Clearance: Standard Bevel: 45°****PIPE BODY CHARACTERISTICS**

|                                                       |          |
|-------------------------------------------------------|----------|
| Nominal OD                                            | 4.500 in |
| Nominal ID                                            | 3.740 in |
| Min. Yield Strength                                   | 110 ksi  |
| Min. Compression Yield Strength (80% asymmetry ratio) | 88 ksi   |
| Nominal Wall Thickness                                | 0.380 in |
| Minimum Wall Thickness                                | 90 %     |
| Drift                                                 | 3.615 in |

**CONNECTION PROPERTIES**

|                              |               |
|------------------------------|---------------|
| Coupling OD (nominal)        | 5.128 in      |
| Coupling ID (nominal)        | 3.680 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            | 541 klb      |
| Compression Yield Load        | 433 klb      |
| Internal Yield Pressure       | 16 720 psi   |
| External Pressure Resistance  | 17 010 psi   |
| Max. Bending with Sealability | 66 °/100 ft  |
| Max. Structural Bending       | 101 °/100 ft |
| Max. Load on Coupling Face    | 304 klb      |

**TORQUE VALUES**

|                            |              |
|----------------------------|--------------|
| Minimum Make-up torque     | 10 690 ft·lb |
| Optimum Make-up torque     | 11 870 ft·lb |
| Maximum Make-up torque     | 13 060 ft·lb |
| Minimum Shoulder Torque    | 600 ft·lb    |
| Maximum Shoulder Torque    | 8 310 ft·lb  |
| Maximum Operational Torque | 13 060 ft·lb |

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