

May 05 2016



**Size:** 3.500 in.  
**Wall:** 0.254 in.  
**Weight:** 9.20 lbs/ft  
**Grade:** P110  
**Min. Wall Thickness:** 90.0 %

**Connection:** Wedge 511™  
**Casing/Tubing:** TUB



| PIPE BODY DATA             |                       |                            |                       |
|----------------------------|-----------------------|----------------------------|-----------------------|
| GEOMETRY                   |                       |                            |                       |
| Nominal OD                 | <b>3.500 in.</b>      | Nominal Weight             | <b>9.20 lbs/ft</b>    |
|                            |                       | Standard Drift Diameter    | <b>2.867 in.</b>      |
| Nominal ID                 | <b>2.992 in.</b>      | Wall Thickness             | <b>0.254 in.</b>      |
|                            |                       | Special Drift Diameter     | <b>N/A</b>            |
| Plain End Weight           | <b>8.81 lbs/ft</b>    |                            |                       |
| PERFORMANCE                |                       |                            |                       |
| Body Yield Strength        | <b>285 x 1000 lbs</b> | Internal Yield             | <b>14370 psi</b>      |
|                            |                       | SMYS                       | <b>110000 psi</b>     |
| Collapse                   | <b>13530 psi</b>      |                            |                       |
| WEDGE 511™ CONNECTION DATA |                       |                            |                       |
| GEOMETRY                   |                       |                            |                       |
| Connection OD              | <b>3.500 in.</b>      | Connection ID              | <b>2.897 in.</b>      |
|                            |                       | Make-Up Loss               | <b>2.740 in.</b>      |
| Critical Section Area      | <b>1.578 sq. in.</b>  | Threads per in.            | <b>4.09</b>           |
| PERFORMANCE                |                       |                            |                       |
| Tension Efficiency         | <b>60.9 %</b>         | Joint Yield Strength       | <b>174 x 1000 lbs</b> |
|                            |                       | Internal Pressure Capacity | <b>14370 psi</b>      |
| Compression Strength       | <b>205 x 1000 lbs</b> | Compression Efficiency     | <b>72.0 %</b>         |
|                            |                       | Bending                    | <b>88 °/100 ft</b>    |
| External Pressure Capacity | <b>13530 psi</b>      |                            |                       |
| MAKE-UP TORQUES            |                       |                            |                       |
| Minimum                    | <b>1200 ft-lbs</b>    | Optimum                    | <b>1400 ft-lbs</b>    |
|                            |                       | Maximum (*)                | <b>2100 ft-lbs</b>    |
| OPERATIONAL LIMIT TORQUES  |                       |                            |                       |
| Operating Torque           | <b>5100 ft-lbs</b>    | Yield Torque               | <b>7600 ft-lbs</b>    |