

## Technical Datasheet

**3½ in 9.2 lb/ft TX825-110 (UNS N08825, 110 ksi)**

**Clearance: Standard Bevel: 45°**

### PIPE BODY CHARACTERISTICS

|                                                        |          |
|--------------------------------------------------------|----------|
| Nominal OD                                             | 3.500 in |
| Nominal ID                                             | 2.992 in |
| Min. Yield Strength                                    | 110 ksi  |
| Min. Compression Yield Strength (80% anisotropy ratio) | 88 ksi   |
| Nominal Wall Thickness                                 | 0.254 in |
| Minimum Wall Thickness                                 | 90 %     |
| Drift                                                  | 2.867 in |

### CONNECTION PROPERTIES

|                              |               |
|------------------------------|---------------|
| Coupling OD (nominal)        | 3.929 in      |
| Coupling ID (nominal)        | 2.922 in      |
| Make-up Loss                 | 3.325 in      |
| Coupling Length              | 7.362 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            | 285 klb      |
| Compression Yield Load        | 228 klb      |
| Internal Yield Pressure       | 14 370 psi   |
| External Pressure Resistance  | 13 530 psi   |
| Max. Bending with Sealability | 42 °/100 ft  |
| Max. Structural Bending       | 130 °/100 ft |
| Max. Load on Coupling Face    | 136 klb      |

### TORQUE VALUES

|                            |             |
|----------------------------|-------------|
| Minimum Make-up torque     | 3 420 ft·lb |
| Optimum Make-up torque     | 3 810 ft·lb |
| Maximum Make-up torque     | 4 190 ft·lb |
| Minimum Shoulder Torque    | 190 ft·lb   |
| Maximum Shoulder Torque    | 2 660 ft·lb |
| Maximum Operational Torque | 4 190 ft·lb |

**Box end finish: Cu-Plating Pin end finish: SS shot peening Lubrication: API-Modified**

