

## Technical Datasheet

### 7 in 29 lb/ft TX825-110 (UNS N08825, 110 ksi)

Clearance: Standard Bevel: 45°

#### PIPE BODY CHARACTERISTICS

|                                                        |          |
|--------------------------------------------------------|----------|
| Nominal OD                                             | 7.000 in |
| Nominal ID                                             | 6.184 in |
| Min. Yield Strength                                    | 110 ksi  |
| Min. Compression Yield Strength (80% anisotropy ratio) | 88 ksi   |
| Nominal Wall Thickness                                 | 0.408 in |
| Minimum Wall Thickness                                 | 90 %     |
| Drift                                                  | 6.059 in |

#### CONNECTION PROPERTIES

|                              |               |
|------------------------------|---------------|
| Coupling OD (nominal)        | 7.661 in      |
| Coupling ID (nominal)        | 6.120 in      |
| Make-up Loss                 | 4.954 in      |
| Coupling Length              | 11.339 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            | 929 klb     |
| Compression Yield Load        | 743 klb     |
| Internal Yield Pressure       | 11 540 psi  |
| External Pressure Resistance  | 8 530 psi   |
| Max. Bending with Sealability | 42 °/100 ft |
| Max. Structural Bending       | 65 °/100 ft |
| Max. Load on Coupling Face    | 456 klb     |

#### TORQUE VALUES

|                            |              |
|----------------------------|--------------|
| Minimum Make-up torque     | 19 850 ft-lb |
| Optimum Make-up torque     | 22 050 ft-lb |
| Maximum Make-up torque     | 24 260 ft-lb |
| Minimum Shoulder Torque    | 1 110 ft-lb  |
| Maximum Shoulder Torque    | 15 440 ft-lb |
| Maximum Operational Torque | 25 500 ft-lb |

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



**Connection qualified as per API RP 5C5 4th edition (2017) - CAL IV**  
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GROUP