

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% asymmetry 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

sentinelconnections.com

TUBACEX
GROUP