

Technical Datasheet

5½ in 20 lb/ft TX825-110 (UNS N08825, 110 ksi)

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	5.500 in
Nominal ID	4.778 in
Min. Yield Strength	110 ksi
Min. Compression Yield Strength (80% anisotropy ratio)	88 ksi
Nominal Wall Thickness	0.361 in
Minimum Wall Thickness	90 %
Drift	4.653 in

CONNECTION PROPERTIES

Coupling OD (nominal)	6.098 in
Coupling ID (nominal)	4.711 in
Make-up Loss	4.535 in
Coupling Length	10.472 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	641 klb
Compression Yield Load	513 klb
Internal Yield Pressure	13 000 psi
External Pressure Resistance	11 100 psi
Max. Bending with Sealability	58 °/100 ft
Max. Structural Bending	83 °/100 ft
Max. Load on Coupling Face	310 klb

TORQUE VALUES

Minimum Make-up torque	11 220 ft-lb
Optimum Make-up torque	12 470 ft-lb
Maximum Make-up torque	13 720 ft-lb
Minimum Shoulder Torque	630 ft-lb
Maximum Shoulder Torque	8 730 ft-lb
Maximum Operational Torque	15 090 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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