

Technical Datasheet

4½ in 12.6 lb/ft TX825-110 (UNS N08825, 110 ksi)

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	4.500 in
Nominal ID	3.958 in
Min. Yield Strength	110 ksi
Min. Compression Yield Strength (80% anisotropy ratio)	88 ksi
Nominal Wall Thickness	0.271 in
Minimum Wall Thickness	90 %
Drift	3.833 in

CONNECTION PROPERTIES

Coupling OD (nominal)	4.937 in
Coupling ID (nominal)	3.898 in
Make-up Loss	3.521 in
Coupling Length	7.913 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	396 klb
Compression Yield Load	317 klb
Internal Yield Pressure	11 920 psi
External Pressure Resistance	9 210 psi
Max. Bending with Sealability	66 °/100 ft
Max. Structural Bending	101 °/100 ft
Max. Load on Coupling Face	173 klb

TORQUE VALUES

Minimum Make-up torque	6 640 ft·lb
Optimum Make-up torque	7 380 ft·lb
Maximum Make-up torque	8 110 ft·lb
Minimum Shoulder Torque	370 ft·lb
Maximum Shoulder Torque	5 160 ft·lb
Maximum Operational Torque	8 110 ft·lb

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

