

Technical Datasheet

4½ in 12.6 lb/ft TX25NP-125 (UNS S32750, 125 ksi)

Clearance: Standard Bevel: 20°

PIPE BODY CHARACTERISTICS

Nominal OD	4.500 in
Nominal ID	3.958 in
Min. Yield Strength	125 ksi
Min. Compression Yield Strength (80% anisotropy ratio)	100 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	450 klb
Compression Yield Load	360 klb
Internal Yield Pressure	13,550 psi
External Pressure Resistance	9,890 psi
Max. Bending with Sealability	66 °/100 ft
Max. Structural Bending	115 °/100 ft
Max. Load on Coupling Face	85 klb

TORQUE VALUES

Minimum Make-up torque	7,070 ft-lb
Optimum Make-up torque	7,860 ft-lb
Maximum Make-up torque	8,640 ft-lb
Minimum Shoulder Torque	390 ft-lb
Maximum Shoulder Torque	5,500 ft-lb
Maximum Operational Torque	8,640 ft-lb

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

