

Technical Datasheet

7 in 29 lb/ft TX25NP-80 (UNS S32750, 80 ksi)

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	7.000 in
Nominal ID	6.184 in
Min. Yield Strength	80 ksi
Min. Compression Yield Strength (80% anisotropy ratio)	64 ksi
Nominal Wall Thickness	0.408 in
Minimum Wall Thickness	87.5 %
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	676 klb
Compression Yield Load	676 klb
Internal Yield Pressure	8 160 psi
External Pressure Resistance	7 030 psi
Max. Bending with Sealability	38 °/100 ft
Max. Structural Bending	52 °/100 ft
Max. Load on Coupling Face	414 klb

TORQUE VALUES

Minimum Make-up torque	16 490 ft-lb
Optimum Make-up torque	18 320 ft-lb
Maximum Make-up torque	20 150 ft-lb
Minimum Shoulder Torque	910 ft-lb
Maximum Shoulder Torque	12 830 ft-lb
Maximum Operational Torque	23 200 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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