

7⁵/₈ in 42.8 lb/ft L80 13Cr (API 5CT)

Box end finish: Cu-Plating Lubrication: API-Modified

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	7.625 in
Nominal ID	6.501 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.562 in
Minimum Wall Thickness	87.5 %
Drift	6.375 in

CONNECTION PROPERTIES

Coupling OD (nominal)	8.518 in
Coupling ID (nominal)	6.483 in
Make-up Loss	5.220 in
Coupling Length	11.732 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	997 klb
Compression Yield Load	997 klb
Internal Yield Pressure	10 320 psi
External Pressure Resistance	10 810 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	674 klb

TORQUE VALUES

Minimum Make-up torque	20 310 ft·lb
Optimum Make-up torque	22 570 ft·lb
Maximum Make-up torque	24 830 ft·lb
Minimum Shoulder Torque	1 130 ft·lb
Maximum Shoulder Torque	15 800 ft·lb
Maximum Operational Torque	27 080 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL_One-7.625-42.8-L80 13Cr

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