

4½ in 12.6 lb/ft L80 13Cr (API 5CT)

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

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	4.500 in
Nominal ID	3.958 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.271 in
Minimum Wall Thickness	87.5 %
Drift	3.833 in

CONNECTION PROPERTIES

Coupling OD (nominal)	4.937 in
Coupling ID (nominal)	3.917 in
Make-up Loss	3.342 in
Coupling Length	7.441 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	288 klb
Compression Yield Load	288 klb
Internal Yield Pressure	8 430 psi
External Pressure Resistance	7 500 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	150 klb

TORQUE VALUES

Minimum Make-up torque	3 980 ft·lb
Optimum Make-up torque	4 430 ft·lb
Maximum Make-up torque	4 870 ft·lb
Minimum Shoulder Torque	220 ft·lb
Maximum Shoulder Torque	3 100 ft·lb
Maximum Operational Torque	4 870 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL_One-4.5-12.6-L80 13Cr

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