

4½ in 15.1 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	3.826 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.337 in
Minimum Wall Thickness	87.5 %
Drift	3.701 in

CONNECTION PROPERTIES

Coupling OD (nominal)	5.043 in
Coupling ID (nominal)	3.822 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	353 klb
Compression Yield Load	353 klb
Internal Yield Pressure	10 480 psi
External Pressure Resistance	11 080 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	216 klb

TORQUE VALUES

Minimum Make-up torque	5 510 ft·lb
Optimum Make-up torque	6 120 ft·lb
Maximum Make-up torque	6 730 ft·lb
Minimum Shoulder Torque	310 ft·lb
Maximum Shoulder Torque	4 290 ft·lb
Maximum Operational Torque	6 730 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL_One-4.5-15.1-L80 13Cr
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