

4½ in 13.5 lb/ft L80 Type 1 (API 5CT)

Box end finish: Mang. Phosph. Lubrication: API-Modified

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	4.500 in
Nominal ID	3.920 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.290 in
Minimum Wall Thickness	87.5 %
Drift	3.795 in

CONNECTION PROPERTIES

Coupling OD (nominal)	4.969 in
Coupling ID (nominal)	3.877 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	307 klb
Compression Yield Load	307 klb
Internal Yield Pressure	9 020 psi
External Pressure Resistance	8 540 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	170 klb

TORQUE VALUES

Minimum Make-up torque	4 450 ft·lb
Optimum Make-up torque	4 940 ft·lb
Maximum Make-up torque	5 440 ft·lb
Minimum Shoulder Torque	250 ft·lb
Maximum Shoulder Torque	3 460 ft·lb
Maximum Operational Torque	5 440 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL_One-4.5-13.5-L80 Type 1

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