

4½ in 18.9 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	3.640 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.430 in
Minimum Wall Thickness	87.5 %
Drift	3.515 in

CONNECTION PROPERTIES

Coupling OD (nominal)	5.185 in
Coupling ID (nominal)	3.739 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	440 klb
Compression Yield Load	440 klb
Internal Yield Pressure	13 380 psi
External Pressure Resistance	13 830 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	306 klb

TORQUE VALUES

Minimum Make-up torque	7 970 ft·lb
Optimum Make-up torque	8 850 ft·lb
Maximum Make-up torque	9 740 ft·lb
Minimum Shoulder Torque	440 ft·lb
Maximum Shoulder Torque	6 200 ft·lb
Maximum Operational Torque	9 740 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL_One-4.5-18.9-L80 Type 1

Date of issue (dd/mm/yyyy): 30/04/2026

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