

5 in 18 lb/ft L80 13Cr (API 5CT)

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

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	5.000 in
Nominal ID	4.276 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.362 in
Minimum Wall Thickness	87.5 %
Drift	4.151 in

CONNECTION PROPERTIES

Coupling OD (nominal)	5.577 in
Coupling ID (nominal)	4.219 in
Make-up Loss	4.191 in
Coupling Length	10.394 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	422 klb
Compression Yield Load	422 klb
Internal Yield Pressure	10 140 psi
External Pressure Resistance	10 490 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	234 klb

TORQUE VALUES

Minimum Make-up torque	7 170 ft·lb
Optimum Make-up torque	7 970 ft·lb
Maximum Make-up torque	8 760 ft·lb
Minimum Shoulder Torque	400 ft·lb
Maximum Shoulder Torque	5 580 ft·lb
Maximum Operational Torque	9 560 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL_One-5-18-L80 13Cr

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