

5 in 23.3 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	4.044 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.478 in
Minimum Wall Thickness	87.5 %
Drift	3.919 in

CONNECTION PROPERTIES

Coupling OD (nominal)	5.750 in
Coupling ID (nominal)	3.986 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	543 klb
Compression Yield Load	543 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	356 klb

TORQUE VALUES

Minimum Make-up torque	10 750 ft·lb
Optimum Make-up torque	11 950 ft·lb
Maximum Make-up torque	13 140 ft·lb
Minimum Shoulder Torque	600 ft·lb
Maximum Shoulder Torque	8 360 ft·lb
Maximum Operational Torque	14 340 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL_One-5-23.3-L80 13Cr

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