

## 5 in 24.1 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	4.000 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.500 in
Minimum Wall Thickness	87.5 %
Drift	3.875 in

### CONNECTION PROPERTIES

Coupling OD (nominal)	5.781 in
Coupling ID (nominal)	3.943 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	565 klb
Compression Yield Load	565 klb
Internal Yield Pressure	14 000 psi
External Pressure Resistance	14 400 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	379 klb

### TORQUE VALUES

Minimum Make-up torque	11 750 ft·lb
Optimum Make-up torque	13 050 ft·lb
Maximum Make-up torque	14 360 ft·lb
Minimum Shoulder Torque	660 ft·lb
Maximum Shoulder Torque	9 140 ft·lb
Maximum Operational Torque	15 670 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL\_One-5-24.1-L80 13Cr

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