

**4½ in 10.5 lb/ft L80 13Cr (API 5CT)**

**Box end finish: Cu-Plating Lubrication: API-Modified**  
**Clearance: Standard Bevel: 45°**

**PIPE BODY CHARACTERISTICS**

Nominal OD	4.500 in
Nominal ID	4.052 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.224 in
Minimum Wall Thickness	87.5 %
Drift	3.927 in

**CONNECTION PROPERTIES**

Coupling OD (nominal)	4.858 in
Coupling ID (nominal)	3.995 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	241 klb
Compression Yield Load	241 klb
Internal Yield Pressure	6 970 psi
External Pressure Resistance	4 940 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	103 klb

**TORQUE VALUES**

Minimum Make-up torque	2 890 ft·lb
Optimum Make-up torque	3 210 ft·lb
Maximum Make-up torque	3 530 ft·lb
Minimum Shoulder Torque	160 ft·lb
Maximum Shoulder Torque	2 250 ft·lb
Maximum Operational Torque	3 530 ft·lb

**Connection qualified as per ISO 13679:2002 - CAL IV**



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PCTDS-SENTINEL\_One-4.5-10.5-L80 13Cr  
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**TUBACEX**  
GROUP