

4½ in 11.6 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	4.000 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.250 in
Minimum Wall Thickness	87.5 %
Drift	3.875 in

CONNECTION PROPERTIES

Coupling OD (nominal)	4.902 in
Coupling ID (nominal)	3.956 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	267 klb
Compression Yield Load	267 klb
Internal Yield Pressure	7 780 psi
External Pressure Resistance	6 350 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	129 klb

TORQUE VALUES

Minimum Make-up torque	3 520 ft·lb
Optimum Make-up torque	3 910 ft·lb
Maximum Make-up torque	4 300 ft·lb
Minimum Shoulder Torque	200 ft·lb
Maximum Shoulder Torque	2 740 ft·lb
Maximum Operational Torque	4 300 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



www.sentinelconnections.com

PCTDS-SENTINEL_One-4.5-11.6-L80 13Cr

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

TUBACEX
GROUP