

5 in 15 lb/ft L80 Type 1 (API 5CT)

Box end finish: Mang. Phosph. Lubrication: API-Modified

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	5.000 in
Nominal ID	4.408 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.296 in
Minimum Wall Thickness	87.5 %
Drift	4.283 in

CONNECTION PROPERTIES

Coupling OD (nominal)	5.470 in
Coupling ID (nominal)	4.348 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	350 klb
Compression Yield Load	350 klb
Internal Yield Pressure	8 290 psi
External Pressure Resistance	7 250 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	161 klb

TORQUE VALUES

Minimum Make-up torque	4 980 ft·lb
Optimum Make-up torque	5 530 ft·lb
Maximum Make-up torque	6 080 ft·lb
Minimum Shoulder Torque	280 ft·lb
Maximum Shoulder Torque	3 870 ft·lb
Maximum Operational Torque	6 640 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



www.sentinelconnections.com

PCTDS-SENTINEL_One-5-15-L80 Type 1

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

TUBACEX
GROUP