

## 5 in 18 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	4.276 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.362 in
Minimum Wall Thickness	87.5 %
Drift	4.151 in

### CONNECTION PROPERTIES

Coupling OD (nominal)	5.577 in
Coupling ID (nominal)	4.219 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	422 klb
Compression Yield Load	422 klb
Internal Yield Pressure	10 140 psi
External Pressure Resistance	10 490 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	234 klb

### TORQUE VALUES

Minimum Make-up torque	7 170 ft·lb
Optimum Make-up torque	7 970 ft·lb
Maximum Make-up torque	8 760 ft·lb
Minimum Shoulder Torque	400 ft·lb
Maximum Shoulder Torque	5 580 ft·lb
Maximum Operational Torque	9 560 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



[www.sentinelconnections.com](http://www.sentinelconnections.com)

PCTDS-SENTINEL\_One-5-18-L80 Type 1

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

**TUBACEX**  
GROUP