

5 in 24.1lb/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 | 4.000 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



www.sentinelconnections.com

PCTDS-SENTINEL_One-5-24.1-L80 Type 1

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TUBACEX
GROUP