

7⁵/₈ in 29.7 lb/ft L80 Type 1 (API 5CT)

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

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	7.625 in
Nominal ID	6.875 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.375 in
Minimum Wall Thickness	87.5 %
Drift	6.750 in

CONNECTION PROPERTIES

Coupling OD (nominal)	8.213 in
Coupling ID (nominal)	6.814 in
Make-up Loss	5.220 in
Coupling Length	11.732 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	683 klb
Compression Yield Load	683 klb
Internal Yield Pressure	6 890 psi
External Pressure Resistance	4 790 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	355 klb

TORQUE VALUES

Minimum Make-up torque	13 010 ft·lb
Optimum Make-up torque	14 460 ft·lb
Maximum Make-up torque	15 900 ft·lb
Minimum Shoulder Torque	720 ft·lb
Maximum Shoulder Torque	10 120 ft·lb
Maximum Operational Torque	17 350 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL_One-7.625-29.7-L80 Type 1

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