

7 in 35 lb/ft L80 Type 1 (API 5CT)

Box end finish: Mang. Phosph. Lubrication: API-Modified
Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	7.000 in
Nominal ID	6.004 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.498 in
Minimum Wall Thickness	87.5 %
Drift	5.879 in

CONNECTION PROPERTIES

Coupling OD (nominal)	7.815 in
Coupling ID (nominal)	5.936 in
Make-up Loss	4.761 in
Coupling Length	11.535 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	814 klb
Compression Yield Load	814 klb
Internal Yield Pressure	9 960 psi
External Pressure Resistance	10 180 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	554 klb

TORQUE VALUES

Minimum Make-up torque	16 260 ft·lb
Optimum Make-up torque	18 070 ft·lb
Maximum Make-up torque	19 880 ft·lb
Minimum Shoulder Torque	910 ft·lb
Maximum Shoulder Torque	12 650 ft·lb
Maximum Operational Torque	21 680 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV

