

Technical Datasheet

4½ in 13.5 lb/ft L80 Type 1 (API 5CT)

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	4.500 in
Nominal ID	3.920 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.290 in
Minimum Wall Thickness	87.5 %
Drift	3.795 in

CONNECTION PROPERTIES

Coupling OD (nominal)	4.986 in
Coupling ID (nominal)	3.859 in
Make-up Loss	3.521 in
Coupling Length	7.913 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	307 klb
Compression Yield Load	307 klb
Internal Yield Pressure	9 020 psi
External Pressure Resistance	8 540 psi
Max. Bending with Sealability	59 °/100 ft
Max. Structural Bending	81 °/100 ft
Max. Load on Coupling Face	187 klb

TORQUE VALUES

Minimum Make-up torque	6 230 ft-lb
Optimum Make-up torque	6 920 ft-lb
Maximum Make-up torque	7 610 ft-lb
Minimum Shoulder Torque	350 ft-lb
Maximum Shoulder Torque	4 850 ft-lb
Maximum Operational Torque	7 610 ft-lb

Box end finish: Cu-Plating Pin end finish: As machined Lubrication: API-Modified

