

Technical Datasheet

13³/₈ in 68 lb/ft L80 Type 1 (API 5CT)

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	13.375 in
Nominal ID	12.415 in
Min. Yield Strength	80 ksi
Nominal Wall Thickness	0.480 in
Minimum Wall Thickness	87.5 %
Drift	12.259 in

CONNECTION PROPERTIES

Coupling OD (nominal)	14.267 in
Coupling ID (nominal)	12.370 in
Make-up Loss	5.796 in
Coupling Length	13.071 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	1 555 klb
Compression Yield Load	1 555 klb
Internal Yield Pressure	5 020 psi
External Pressure Resistance	2 260 psi
Max. Bending with Sealability	20 °/100 ft
Max. Structural Bending	27 °/100 ft
Max. Load on Coupling Face	1 071 klb

TORQUE VALUES

Minimum Make-up torque	32 530 ft-lb
Optimum Make-up torque	36 140 ft-lb
Maximum Make-up torque	39 750 ft-lb
Minimum Shoulder Torque	1 810 ft-lb
Maximum Shoulder Torque	25 300 ft-lb
Maximum Operational Torque	45 720 ft-lb

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

