

Technical Datasheet

4½ in 13.5 lb/ft Q125 (API 5CT)

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	4.500 in
Nominal ID	3.920 in
Min. Yield Strength	125 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	480 klb
Compression Yield Load	480 klb
Internal Yield Pressure	14 500 psi
External Pressure Resistance	11 600 psi
Max. Bending with Sealability	66 °/100 ft
Max. Structural Bending	127 °/100 ft
Max. Load on Coupling Face	293 klb

TORQUE VALUES

Minimum Make-up torque	7 920 ft-lb
Optimum Make-up torque	8 800 ft-lb
Maximum Make-up torque	9 680 ft-lb
Minimum Shoulder Torque	440 ft-lb
Maximum Shoulder Torque	6 160 ft-lb
Maximum Operational Torque	9 680 ft-lb

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

