

4½ in 18.9 lb/ft P110 (API 5CT)

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

PIPE BODY CHARACTERISTICS

Nominal OD	4.500 in
Nominal ID	3.640 in
Min. Yield Strength	110 ksi
Nominal Wall Thickness	0.430 in
Minimum Wall Thickness	87.5 %
Drift	3.515 in

CONNECTION PROPERTIES

Coupling OD (nominal)	5.185 in
Coupling ID (nominal)	3.739 in
Make-up Loss	3.342 in
Coupling Length	7.441 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	605 klb
Compression Yield Load	605 klb
Internal Yield Pressure	18 920 psi
External Pressure Resistance	19 010 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	421 klb

TORQUE VALUES

Minimum Make-up torque	9 160 ft·lb
Optimum Make-up torque	10 180 ft·lb
Maximum Make-up torque	11 200 ft·lb
Minimum Shoulder Torque	510 ft·lb
Maximum Shoulder Torque	7 120 ft·lb
Maximum Operational Torque	12 210 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV

