

## 4½ in 10.5 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	4.052 in
Min. Yield Strength	110 ksi
Nominal Wall Thickness	0.224 in
Minimum Wall Thickness	87.5 %
Drift	3.927 in

### CONNECTION PROPERTIES

Coupling OD (nominal)	4.858 in
Coupling ID (nominal)	3.995 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	331 klb
Compression Yield Load	331 klb
Internal Yield Pressure	9 860 psi
External Pressure Resistance	5 550 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	141 klb

### TORQUE VALUES

Minimum Make-up torque	3 390 ft·lb
Optimum Make-up torque	3 760 ft·lb
Maximum Make-up torque	4 140 ft·lb
Minimum Shoulder Torque	190 ft·lb
Maximum Shoulder Torque	2 630 ft·lb
Maximum Operational Torque	4 510 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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