

## 4½ in 15.1 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	3.826 in
Min. Yield Strength	110 ksi
Nominal Wall Thickness	0.337 in
Minimum Wall Thickness	87.5 %
Drift	3.701 in

### CONNECTION PROPERTIES

Coupling OD (nominal)	5.043 in
Coupling ID (nominal)	3.822 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	485 klb
Compression Yield Load	485 klb
Internal Yield Pressure	14 830 psi
External Pressure Resistance	14 340 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	297 klb

### TORQUE VALUES

Minimum Make-up torque	6 440 ft·lb
Optimum Make-up torque	7 150 ft·lb
Maximum Make-up torque	7 870 ft·lb
Minimum Shoulder Torque	360 ft·lb
Maximum Shoulder Torque	5 010 ft·lb
Maximum Operational Torque	8 590 ft·lb

**Connection qualified as per ISO 13679:2002 - CAL IV**

