

Technical Datasheet

4½ in 12.6 lb/ft Q125 (API 5CT)

Clearance: Standard Bevel: 20°

PIPE BODY CHARACTERISTICS

| | |
|------------------------|----------|
| Nominal OD | 4.500 in |
| Nominal ID | 3.958 in |
| Min. Yield Strength | 125 ksi |
| Nominal Wall Thickness | 0.271 in |
| Minimum Wall Thickness | 87.5 % |
| Drift | 3.833 in |

CONNECTION PROPERTIES

| | |
|------------------------------|---------------|
| Coupling OD (nominal) | 4.937 in |
| Coupling ID (nominal) | 3.898 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 | 450 klb |
| Compression Yield Load | 450 klb |
| Internal Yield Pressure | 13 550 psi |
| External Pressure Resistance | 9 890 psi |
| Max. Bending with Sealability | 66 °/100 ft |
| Max. Structural Bending | 127 °/100 ft |
| Max. Load on Coupling Face | 106 klb |

TORQUE VALUES

| | |
|----------------------------|-------------|
| Minimum Make-up torque | 7 070 ft-lb |
| Optimum Make-up torque | 7 860 ft-lb |
| Maximum Make-up torque | 8 640 ft-lb |
| Minimum Shoulder Torque | 390 ft-lb |
| Maximum Shoulder Torque | 5 500 ft-lb |
| Maximum Operational Torque | 8 640 ft-lb |

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

