

Version number:REV.02

| OD | Weight | Wall Th | Grade | API Drift | Connection |
|---------|------------|---------|-------|-----------|------------|
| 3.500in | 12.70lb/ft | 0.375in | C110 | 2.625in | CBS3 |

| PIPE BODY PROPERTIES | |
|-----------------------------------|-------------|
| Nominal OD | 3.500 in |
| Nominal ID | 2.750 in |
| Nominal Wall Thickness | 0.375 in |
| Minimum Wall Thickness | 87.5 % |
| Nominal Weight(API) | 12.70 lb/ft |
| Plain End Weight | 12.53 lb/ft |
| Drift | 2.625 in |
| Grade Type | API 5CT |
| Minimum Yield Strength | 110 ksi |
| Maximum Yield Strength | 120 ksi |
| Minimum Ultimate Tensile Strength | 115 ksi |
| Pipe Body Yield Strength | 405 klb |
| Internal Yield Strength | 20,630 psi |
| Collapse Pressure | 21,050 psi |

| CONNECTION PROPERTIES | |
|------------------------------|------------------------|
| Connection Type | Premium Thread&Coupled |
| Nominal Connection OD | 4.098 in |
| Nominal Connection ID | 2.707 in |
| Make-up Loss | 4.017 in |
| Coupling Length | 9.016 in |
| Tension Efficiency | 100% of Pipe Body |
| Compression Efficiency | 100% of Pipe Body |
| Internal Pressure Efficiency | 100% of Pipe Body |
| External Pressure Efficiency | 100% of Pipe Body |

| JOINT PERFORMANCES | |
|-------------------------------|-------------|
| Tensile Strength | 405 klb |
| Compression Strength | 405 klb |
| Internal Pressure Resistance | 20,630 psi |
| External Pressure Resistance | 21,050 psi |
| Maximum Bending | 30 °/100 ft |
| Maximum Load on Coupling Face | 308 klb |

| FIELD TORQUE VALUES | |
|----------------------|-------------|
| Min. Make-up torque | 5,610 ft-lb |
| Opti. Make-up torque | 6,200 ft-lb |
| Max. Make-up torque | 6,790 ft-lb |
| Min. Shoulder torque | 310 ft-lb |
| Max. Shoulder torque | 4,960 ft-lb |
| Min. Delta Turn | 0.010 turns |
| Max. Delta Turn | 0.120 turns |

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