

Version number:REV.02

| OD      | Weight    | Wall Th | Grade | API Drift | Connection |
|---------|-----------|---------|-------|-----------|------------|
| 4.000in | 9.50lb/ft | 0.226in | C90   | 3.423in   | CBS3       |

| PIPE BODY PROPERTIES              |            |
|-----------------------------------|------------|
| Nominal OD                        | 4.000 in   |
| Nominal ID                        | 3.548 in   |
| Nominal Wall Thickness            | 0.226 in   |
| Minimum Wall Thickness            | 87.5 %     |
| Nominal Weight(API)               | 9.50 lb/ft |
| Plain End Weight                  | 9.12 lb/ft |
| Drift                             | 3.423 in   |
| Grade Type                        | API 5CT    |
| Minimum Yield Strength            | 90 ksi     |
| Maximum Yield Strength            | 105 ksi    |
| Minimum Ultimate Tensile Strength | 100 ksi    |
| Pipe Body Yield Strength          | 241 klb    |
| Internal Yield Strength           | 8,900 psi  |
| Collapse Pressure                 | 7,080 psi  |

| CONNECTION PROPERTIES        |                        |
|------------------------------|------------------------|
| Connection Type              | Premium Thread&Coupled |
| Nominal Connection OD        | 4.409 in               |
| Nominal Connection ID        | 3.500 in               |
| Make-up Loss                 | 3.356 in               |
| Coupling Length              | 7.717 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              | 241 klb     |
| Compression Strength          | 241 klb     |
| Internal Pressure Resistance  | 8,900 psi   |
| External Pressure Resistance  | 7,080 psi   |
| Maximum Bending               | 30 °/100 ft |
| Maximum Load on Coupling Face | 171 klb     |

| FIELD TORQUE VALUES  |             |
|----------------------|-------------|
| Min. Make-up torque  | 2,850 ft-lb |
| Opti. Make-up torque | 3,160 ft-lb |
| Max. Make-up torque  | 3,470 ft-lb |
| Min. Shoulder torque | 160 ft-lb   |
| Max. Shoulder torque | 2,530 ft-lb |
| Min. Delta Turn      | 0.010 turns |
| Max. Delta Turn      | 0.120 turns |

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