

CBJY2022-001(0641) REV.02 Effective Date: 2022.3.15

| OD | Weight | Wall Th | Grade | API Drift | Connection |
|---------|------------|---------|-------|-----------|------------|
| 4.500in | 18.90lb/ft | 0.430in | P110 | 3.515in | CBS3 |

| PIPE BODY PROPERTIES | |
|-----------------------------------|-------------|
| Nominal OD | 4.500 in |
| Nominal ID | 3.640 in |
| Nominal Wall Thickness | 0.430 in |
| Minimum Wall Thickness | 87.5 % |
| Nominal Weight(API) | 18.90 lb/ft |
| Plain End Weight | 18.71 lb/ft |
| Drift | 3.515 in |
| Grade Type | API 5CT |
| Minimum Yield Strength | 110 ksi |
| Maximum Yield Strength | 140 ksi |
| Minimum Ultimate Tensile Strength | 125 ksi |
| Pipe Body Yield Strength | 605 klb |
| Internal Yield Strength | 18,390 psi |
| Collapse Pressure | 19,010 psi |

| CONNECTION PROPERTIES | |
|------------------------------|------------------------|
| Connection Type | Premium Thread&Coupled |
| Nominal Connection OD | 5.200 in |
| Nominal Connection ID | 3.586 in |
| Make-up Loss | 4.230 in |
| Coupling Length | 9.606 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 | 605 klb |
| Compression Strength | 605 klb |
| Internal Pressure Resistance | 18,390 psi |
| External Pressure Resistance | 19,010 psi |
| Maximum Bending | 30 °/100 ft |
| Maximum Load on Coupling Face | 482 klb |

| FIELD TORQUE VALUES | |
|----------------------|--------------|
| Friction Coefficient | 1 |
| Min. Make-up torque | 9,230 ft-lb |
| Opti. Make-up torque | 10,260 ft-lb |
| Max. Make-up torque | 11,290 ft-lb |
| Min. Shoulder torque | 510 ft-lb |
| Max. Shoulder torque | 8,210 ft-lb |
| Min. Delta Turn | 0.010 turns |
| Max. Delta Turn | 0.120 turns |

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