

## 4½ in 15.1 lb/ft S13Cr-95 (UNS S41425)

Box end finish: Cu-Plating Lubrication: API-Modified

Clearance: Standard Bevel: 45°

### PIPE BODY CHARACTERISTICS

|                        |          |
|------------------------|----------|
| Nominal OD             | 4.500 in |
| Nominal ID             | 3.826 in |
| Min. Yield Strength    | 95 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                | 419 klb     |
| Compression Yield Load            | 419 klb     |
| Internal Yield Pressure           | 12 450 psi  |
| External Pressure Resistance      | 12 760 psi  |
| Max. Bending with API Sealability | 20 °/100 ft |
| Max. Load on Coupling Face        | 257 klb     |

### TORQUE VALUES

|                            |             |
|----------------------------|-------------|
| Minimum Make-up torque     | 5 970 ft·lb |
| Optimum Make-up torque     | 6 640 ft·lb |
| Maximum Make-up torque     | 7 300 ft·lb |
| Minimum Shoulder Torque    | 330 ft·lb   |
| Maximum Shoulder Torque    | 4 650 ft·lb |
| Maximum Operational Torque | 7 970 ft·lb |

Connection qualified as per ISO 13679:2002 - CAL IV

