

SIZE: 3.5 inch [88.9 mm]

WEIGHT: 9.3 lbm/ft [13.84 kg/m]

GRADE: J-55

Interchangeable with CS, BTS8, WTS8, etc.

| Material Properties                                | Imperial | Metric  |
|----------------------------------------------------|----------|---------|
| Yield Stress, Minimum (psi [kPa])                  | 55,000   | 379,212 |
| Yield Stress, Maximum (psi [kPa])                  | 80,000   | 551,581 |
| Tensile Stress, Minimum (psi [kPa])                | 75,000   | 517,107 |
| Hardness, Maximum (HRC [HBW])                      | N/A      | N/A     |
| Pipe Dimensions & Weight                           |          |         |
| Outside Diameter, Nominal (in [mm])                | 3.500    | 88.90   |
| Weight, Nominal (lbm/ft [kg/m])                    | 9.30     | 13.84   |
| Wall Thickness, Nominal (in [mm])                  | 0.254    | 6.45    |
| Inside Diameter, Nominal (in [mm])                 | 2.992    | 76.00   |
| API Drift Diameter (in [mm])                       | 2.867    | 72.82   |
| Tool Joint Drift Diameter (in [mm])                | 2.826    | 71.79   |
| Upset-End Diameter, Minimum (in [mm])              | 4.034    | 102.46  |
| Upset-End Length, Minimum (in [mm])                | 4.750    | 120.65  |
| Cross Section, Nominal (sq.in. [mm <sup>2</sup> ]) | 2.590    | 1670.96 |
| Pipe Load Capacities                               |          |         |
| Tensile Yield (lbf [N])                            | 142,500  | 633,871 |
| Internal Yield Pressure (psi [kPa])                | 6,990    | 48,194  |
| Collapse Pressure (psi [kPa])                      | 7,400    | 51,021  |
| Torsional Yield (lbf-ft [N.m])                     | 10,370   | 14,060  |
| Hydrostatic Test Pressure (psi [kPa])              | 6,400    | 44,126  |
| Bending rate (°/100 ft [°/30 m])                   | 72       | 71      |
| Connection Dimensions                              |          |         |
| Connection OD (in [mm])                            | 3.915    | 99.44   |
| Special Clearance OD (in [mm])                     | 3.859    | 98.02   |
| Connection ID (in [mm])                            | 2.920    | 74.17   |
| Coupling Length, Minimum (in [mm])                 | N/A      | N/A     |
| Make-up Loss (in [mm])                             | 2.840    | 72.14   |
| Threads per Inch (pitch [mm])                      | 8.000    | 3.18    |
| Connection Torque Capacities                       |          |         |
| Low Shoulder Torque (lbf-ft [N.m])                 | 550      | 750     |
| High Shoulder Torque (lbf-ft [N.m])                | 2,750    | 3,730   |
| Minimum Make-up Torque (lbf-ft [N.m])              | 3,000    | 4,070   |
| Optimum Make-up Torque (lbf-ft [N.m])              | 3,400    | 4,610   |
| Maximum Make-up Torque (lbf-ft [N.m])              | 3,800    | 5,150   |
| Rotating Torque (lbf-ft [N.m])                     | 6,800    | 9,220   |
| Yield Torque (lbf-ft [N.m])                        | 8,500    | 11,520  |

| Connection Load Capacities               |                 |
|------------------------------------------|-----------------|
| Tensile Efficiency (% of pipe body)      | 124             |
| Internal Yield Pressure (% of pipe body) | 100             |
| External Yield pressure (psi)            | 12,200          |
| Leak Resistance Pressure (psi)           | radial m2m seal |
| Compression Efficiency (% of pipe body)  | 124             |
| Torque Efficiency (% of pipe body)       | 82              |
| Bending Strength Ratio (BSR)             | 1.35            |



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