

5-1/2" OD DRILL PIPE, 21.90 PPF, 7.000" OD X 4.000" ID, S-135, DPM-DS55

DRILL PIPE BODY

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|-------------------------|-------|
| Nominal Weight (lbs/ft) | 21.90 |
| Grade | S-135 |
| Type of Upset | IEU |

| | New | Premium |
|------------------------------------------------------|---------|---------|
| Nominal OD (in) | 5-1/2 | 5.356 |
| Nominal ID (in) | 4.778 | 4.778 |
| Pipe Wall Thickness (in) | 0.361 | 0.289 |
| Cross Sectional Area of Pipe Body (in ²) | 5.828 | 4.600 |
| Cross Sectional Area OD (in ²) | 23.758 | 22.531 |
| Cross Sectional Area ID (in ²) | 17.930 | 17.930 |
| Section Modulus (in ³) | 7.031 | 5.531 |
| Polar Section Modulus (in ³) | 14.062 | 11.062 |
| Torsional Strength (lbs/ft) | 91,278 | 71,754 |
| Tensile Strength (lbs) | 786,809 | 620,604 |
| Burst Pressure (psi) | 15,507 | 14,177 |
| Collapse Pressure (psi) | 12,679 | 7,496 |

DRILL PIPE CONNECTION

| | |
|--------------------------------------------|-----------|
| OD (in) | 7.000 |
| ID (in) | 4.000 |
| Pin Tong Length (in) | 11.00 |
| Box Tong Length (in) | 14.00 |
| Connection | DPM-DS55 |
| Torsional Strength (lbs/ft) | 79,020 |
| Tensile Yield Strength (lbs) | 1,348,250 |
| Minimum Make-up Torque (lbs/ft) | 47,400 |
| Maximum Make-up Torque (lbs/ft) | 55,300 |
| Tool Joint/Pipe Body Torsional Ratio (New) | 0.87 |

DRILL PIPE ASSEMBLY

| | |
|----------------------------------|--------------|
| Approx Average Length (ft) | 31.50 |
| Open End Displacement (gal/ft) | 0.38 |
| Closed End Displacement (gal/ft) | 1.28 |
| Fluid Capacity (gal/ft) | 0.90 |
| Drift Size (in) | 3.875 |
| Adjusted Weight (lbs/ft) | 24.93 |
| Internal Plastic Coating | TK34 |
| Hardbanding | ARNCO 350 XT |

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