

4.000" OD DRILL PIPE, 14.00 PPF, 4.875" OD X 2.563" ID, VM-105 DP SS, VX™ 39-L

DRILL PIPE BODY

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|-------------------------|--------------|
| Nominal Weight (lbs/ft) | 14.00 |
| Grade | VM-105 DP SS |
| Type of Upset | IU |

| | New | Premium |
|--|---------|---------|
| Nominal OD (in) | 4.000 | 3.868 |
| Nominal ID (in) | 3.340 | 3.340 |
| Pipe Wall Thickness (in) | 0.330 | 0.264 |
| Cross Sectional Area of Pipe Body (in ²) | 3.805 | 2.989 |
| Cross Sectional Area OD (in ²) | 12.566 | 11.751 |
| Cross Sectional Area ID (in ²) | 8.762 | 8.762 |
| Section Modulus (in ³) | 3.229 | 2.523 |
| Polar Section Modulus (in ³) | 6.458 | 5.046 |
| Torsional Strength (lbs/ft) | 32,600 | 25,500 |
| Tensile Strength (lbs) | 400,000 | 314,000 |
| Burst Pressure (psi) | 15,160 | 13,900 |
| Collapse Pressure (psi) | 15,900 | 11,620 |

DRILL PIPE CONNECTION

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|--|----------|
| OD (in) | 4.875 |
| ID (in) | 2.563 |
| Pin Tong Length (in) | 10.00 |
| Box Tong Length (in) | 15.00 |
| Connection | VX™ 39-L |
| Torsional Strength (lbs/ft) | 31,500 |
| Tensile Yield Strength (lbs) | 719,000 |
| Minimum Make-up Torque (lbs/ft) | 17,900 |
| Maximum Make-up Torque (lbs/ft) | 19,800 |
| Tool Joint/Pipe Body Torsional Ratio (New) | 0.97 |

DRILL PIPE ASSEMBLY

| | |
|----------------------------------|--------------|
| Approx Average Length (ft) | 31.50 |
| Open End Displacement (gal/ft) | 0.25 |
| Closed End Displacement (gal/ft) | 0.68 |
| Fluid Capacity (gal/ft) | 0.43 |
| Drift Size (in) | 2.438 |
| Adjusted Weight (lbs/ft) | 16.10 |
| Internal Plastic Coating | TK34P |
| Hardbanding | ARNCO 100 XT |

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