

3-1/2" OD, HWDP, WELDED, STANDARD, 4.125" OD x 2.063" ID, XT31

HEAVY WEIGHT DRILL PIPE BODY

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| Nominal OD (in) | 3-1/2 |
| Nominal ID (in) | 2.062 |
| Pipe Grade | AISI 1340 |
| Heavy Weight Type | STANDARD |
| HWConstruction | WELDED |
| Pipe Wall Thickness (in) | 0.719 |
| Cross Sectional Area of Pipe Body (in ²) | 6.282 |
| Cross Sectional Area OD (in ²) | 9.621 |
| Cross Sectional Area ID (in ²) | 3.339 |
| Section Modulus (in ³) | 3.702 |
| Polar Section Modulus (in ³) | 7.404 |
| Torsional Strength (lbs/ft) | 19,600 |
| Tensile Strength (lbs) | 345,400 |
| Burst Pressure (psi) | 19,766 |
| Collapse Pressure (psi) | 17,950 |

HEAVY WEIGHT DRILL PIPE CONNECTION

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|---|-----------|
| Tool Joint Grade | AISI 4145 |
| OD (in) | 4.125 |
| ID (in) | 2.063 |
| Pin Tong Length (in) | 24.00 |
| Box Tong Length (in) | 24.00 |
| Connection | XT31 |
| Torsional Strength (lbs/ft) | 19,700 |
| Tensile Yield Strength (lbs) | 435,300 |
| Minimum Make-up Torque (lbs/ft) | 9,800 |
| Recommended Make-up Torque (lbs/ft) | 11,800 |
| Tool Joint/Drill Pipe Torsional Ratio (New) | 1.00 |

HEAVY WEIGHT DRILL PIPE ASSEMBLY

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|----------------------------------|--------------|
| Approx Average Length (ft) | 31.50 |
| Open End Displacement (gal/ft) | 0.36 |
| Closed End Displacement (gal/ft) | 0.50 |
| Fluid Capacity (gal/ft) | 0.17 |
| Drift Size (in) | 1.812 |
| Adjusted Weight (lbs/ft) | 23.40 |
| Hardbanding | ARNCO 100 XT |

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