

4.000" OD, HWDP, WELDED, STANDARD, 5.250" OD x 2.563" ID, NC40 VAM EIS

## HEAVY WEIGHT DRILL PIPE BODY

Nominal OD (in)	4.000
Nominal ID (in)	2.563
Pipe Grade	AISI 1340
Heavy Weight Type	STANDARD
HWConstruction	WELDED
Pipe Wall Thickness (in)	0.719
Cross Sectional Area of Pipe Body (in <sup>2</sup> )	7.407
Cross Sectional Area OD (in <sup>2</sup> )	12.566
Cross Sectional Area ID (in <sup>2</sup> )	5.159
Section Modulus (in <sup>3</sup> )	5.224
Polar Section Modulus (in <sup>3</sup> )	10.448
Torsional Strength (lbs/ft)	28,200
Tensile Strength (lbs)	421,000
Burst Pressure (psi)	20,600
Collapse Pressure (psi)	16,800

## HEAVY WEIGHT DRILL PIPE CONNECTION

Tool Joint Grade	AISI 4145
OD (in)	5.250
ID (in)	2.563
Pin Tong Length (in)	27.00
Box Tong Length (in)	21.00
Connection	NC40 VAM EIS
Torsional Strength (lbs/ft)	38,000
Tensile Yield Strength (lbs)	838,000
Minimum Make-up Torque (lbs/ft)	18,200
Recommended Make-up Torque (lbs/ft)	22,800
Maximum Make-up Torque (lbs/ft)	23,900
Tool Joint/Drill Pipe Torsional Ratio (New)	1.35
Balanced OD	5.200

## HEAVY WEIGHT DRILL PIPE ASSEMBLY

Approx Average Length (ft)	31.50
Open End Displacement (gal/ft)	0.47
Closed End Displacement (gal/ft)	0.72
Fluid Capacity (gal/ft)	0.25
Drift Size (in)	2.438
Adjusted Weight (lbs/ft)	30.73
Internal Plastic Coating	TK34P
Hardbanding	ARNCO 300 XT

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