

3-1/2" OD, HWDP, WELDED, STANDARD, 4.875" OD x 2.563" ID, NC38 VAM EIS

## HEAVY WEIGHT DRILL PIPE BODY

Nominal OD (in)	3-1/2
Nominal ID (in)	2.250
Pipe Grade	AISI 1340
Heavy Weight Type	STANDARD
HWConstruction	WELDED
Pipe Wall Thickness (in)	0.625
Cross Sectional Area of Pipe Body (in <sup>2</sup> )	5.645
Cross Sectional Area OD (in <sup>2</sup> )	9.621
Cross Sectional Area ID (in <sup>2</sup> )	3.976
Section Modulus (in <sup>3</sup> )	3.490
Polar Section Modulus (in <sup>3</sup> )	6.981
Torsional Strength (lbs/ft)	18,500
Tensile Strength (lbs)	310,000
Burst Pressure (psi)	19,600
Collapse Pressure (psi)	16,100

## HEAVY WEIGHT DRILL PIPE CONNECTION

Tool Joint Grade	VM-65 HW MS
OD (in)	4.875
ID (in)	2.563
Pin Tong Length (in)	27.00
Box Tong Length (in)	21.00
Connection	NC38 VAM EIS
Torsional Strength (lbs/ft)	27,200
Tensile Yield Strength (lbs)	649,000
Minimum Make-up Torque (lbs/ft)	13,000
Recommended Make-up Torque (lbs/ft)	16,300
Maximum Make-up Torque (lbs/ft)	17,100
Tool Joint/Drill Pipe Torsional Ratio (New)	1.47
Balanced OD	4.780

## HEAVY WEIGHT DRILL PIPE ASSEMBLY

Approx Average Length (ft)	31.50
Open End Displacement (gal/ft)	0.36
Closed End Displacement (gal/ft)	0.57
Fluid Capacity (gal/ft)	0.21
Drift Size (in)	2.125
Adjusted Weight (lbs/ft)	23.81
Internal Plastic Coating	TK34P
Hardbanding	ARNCO 100 XT

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