

5.000" OD DRILL PIPE, 19.50 PPF, 6.625" OD X 3.250" ID, VM-105 DP SS, NC50

## DRILL PIPE BODY

Nominal Weight (lbs/ft)	19.50
Grade	VM-105 DP SS
Type of Upset	IEU

	New	Premium
Nominal OD (in)	5.000	4.855
Nominal ID (in)	4.276	4.276
Pipe Wall Thickness (in)	0.362	0.290
Cross Sectional Area of Pipe Body (in <sup>2</sup> )	5.275	4.152
Cross Sectional Area OD (in <sup>2</sup> )	19.635	18.513
Cross Sectional Area ID (in <sup>2</sup> )	14.360	14.360
Section Modulus (in <sup>3</sup> )	5.708	4.475
Polar Section Modulus (in <sup>3</sup> )	11.415	8.949
Torsional Strength (lbs/ft)	57,600	45,200
Tensile Strength (lbs)	554,000	436,000
Burst Pressure (psi)	13,300	12,200
Collapse Pressure (psi)	13,000	8,760

## DRILL PIPE CONNECTION

OD (in)	6.625
ID (in)	3.250
Pin Tong Length (in)	9.00
Box Tong Length (in)	12.00
Connection	NC50
Torsional Strength (lbs/ft)	46,900
Tensile Yield Strength (lbs)	1,160,000
Minimum Make-up Torque (lbs/ft)	23,500
Maximum Make-up Torque (lbs/ft)	28,200
Tool Joint/Pipe Body Torsional Ratio (New)	0.81

## DRILL PIPE ASSEMBLY

Approx Average Length (ft)	31.50
Open End Displacement (gal/ft)	0.36
Closed End Displacement (gal/ft)	1.02
Fluid Capacity (gal/ft)	0.69
Drift Size (in)	3.125
Adjusted Weight (lbs/ft)	23.82
Internal Plastic Coating	TK34
Hardbanding	TCS8000

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