

5.000" OD, HWDP, INTEGRAL, STANDARD, 6.625" OD x 3.000" ID, NC50

## HEAVY WEIGHT DRILL PIPE BODY

Nominal OD (in)	5.000
Nominal ID (in)	3.000
Pipe Grade	AISI 4145
Heavy Weight Type	STANDARD
HWConstruction	INTEGRAL
Pipe Wall Thickness (in)	1.000
Cross Sectional Area of Pipe Body (in <sup>2</sup> )	12.566
Cross Sectional Area OD (in <sup>2</sup> )	19.635
Cross Sectional Area ID (in <sup>2</sup> )	7.069
Section Modulus (in <sup>3</sup> )	10.681
Polar Section Modulus (in <sup>3</sup> )	21.363
Torsional Strength (lbs/ft)	123,264
Tensile Strength (lbs)	1,507,964
Burst Pressure (psi)	49,412
Collapse Pressure (psi)	38,400

## HEAVY WEIGHT DRILL PIPE CONNECTION

OD (in)	6.625
ID (in)	3.000
Pin Tong Length (in)	30.00
Box Tong Length (in)	30.00
Connection	NC50
Torsional Strength (lbs/ft)	51,112
Tensile Yield Strength (lbs)	1,235,368
Minimum Make-up Torque (lbs/ft)	25,600
Maximum Make-up Torque (lbs/ft)	35,800
Tool Joint/Drill Pipe Torsional Ratio (New)	0.42
Balanced OD	6.377

## HEAVY WEIGHT DRILL PIPE ASSEMBLY

Approx Average Length (ft)	31.50
Open End Displacement (gal/ft)	0.82
Closed End Displacement (gal/ft)	1.19
Fluid Capacity (gal/ft)	0.37
Drift Size (in)	2.813
Adjusted Weight (lbs/ft)	52.71
Hardbanding	ARNCO 350 XT

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