

3-1/2" OD, HWDP, WELDED, STANDARD, 5.000" OD x 2.250" ID, NC38

## 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)	40,280
Tensile Strength (lbs)	677,400
Burst Pressure (psi)	37,500
Collapse Pressure (psi)	35,200

## HEAVY WEIGHT DRILL PIPE CONNECTION

Tool Joint Grade	AISI 4145
OD (in)	5.000
ID (in)	2.250
Connection	NC38
Torsional Strength (lbs/ft)	21,200
Tensile Yield Strength (lbs)	662,300
Maximum Make-up Torque (lbs/ft)	14,900
Tool Joint/Drill Pipe Torsional Ratio (New)	0.53

## HEAVY WEIGHT DRILL PIPE ASSEMBLY

Approx Average Length (ft)	31.50
Open End Displacement (gal/ft)	0.29
Closed End Displacement (gal/ft)	0.50
Fluid Capacity (gal/ft)	0.21
Drift Size (in)	2.125
Adjusted Weight (lbs/ft)	26.20
Hardbanding	ARNCO 300 XT

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