

5-1/2" OD, HWDP, WELDED, SPIRAL, 6.625" OD x 4.000" ID, VX54

## HEAVY WEIGHT DRILL PIPE BODY

Nominal OD (in)	5-1/2
Nominal ID (in)	3.875
Pipe Grade	VM-90 HW SSE
Heavy Weight Type	SPIRAL
HWConstruction	WELDED
Pipe Wall Thickness (in)	0.813
Cross Sectional Area of Pipe Body (in <sup>2</sup> )	11.965
Cross Sectional Area OD (in <sup>2</sup> )	23.758
Cross Sectional Area ID (in <sup>2</sup> )	11.793
Section Modulus (in <sup>3</sup> )	12.309
Polar Section Modulus (in <sup>3</sup> )	24.619
Torsional Strength (lbs/ft)	107,000
Tensile Strength (lbs)	1,080,000
Burst Pressure (psi)	26,600
Collapse Pressure (psi)	22,700

## HEAVY WEIGHT DRILL PIPE CONNECTION

Tool Joint Grade	ERS425
OD (in)	6.625
ID (in)	4.000
Pin Tong Length (in)	31.00
Box Tong Length (in)	24.00
Connection	VX54
Torsional Strength (lbs/ft)	68,800
Tensile Yield Strength (lbs)	1,140,000
Minimum Make-up Torque (lbs/ft)	38,700
Recommended Make-up Torque (lbs/ft)	43,000
Maximum Make-up Torque (lbs/ft)	45,000
Tool Joint/Drill Pipe Torsional Ratio (New)	0.65
Balanced OD	6.760

## HEAVY WEIGHT DRILL PIPE ASSEMBLY

Approx Average Length (ft)	31.50
Open End Displacement (gal/ft)	0.82
Closed End Displacement (gal/ft)	1.44
Fluid Capacity (gal/ft)	0.61
Drift Size (in)	3.750
Adjusted Weight (lbs/ft)	53.92
Internal Plastic Coating	TK34P
Hardbanding	ARNCO 100 XT

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