

4.000" OD, HWDP, WELDED, STANDARD, 4.875" OD x 2.563" ID, VX39

## HEAVY WEIGHT DRILL PIPE BODY

Nominal OD (in)	4.000
Nominal ID (in)	2.563
Pipe Grade	AISI 1340
Heavy Weight Type	STANDARD
HWConstruction	WELDED
Pipe Wall Thickness (in)	0.719
Cross Sectional Area of Pipe Body (in <sup>2</sup> )	7.407
Cross Sectional Area OD (in <sup>2</sup> )	12.566
Cross Sectional Area ID (in <sup>2</sup> )	5.159
Section Modulus (in <sup>3</sup> )	5.224
Polar Section Modulus (in <sup>3</sup> )	10.448
Torsional Strength (lbs/ft)	32,700
Tensile Strength (lbs)	482,000
Burst Pressure (psi)	23,400
Collapse Pressure (psi)	19,200

## 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	VX39
Torsional Strength (lbs/ft)	34,300
Tensile Yield Strength (lbs)	785,000
Minimum Make-up Torque (lbs/ft)	18,500
Recommended Make-up Torque (lbs/ft)	20,600
Maximum Make-up Torque (lbs/ft)	21,600
Tool Joint/Drill Pipe Torsional Ratio (New)	1.05
Balanced OD	5.070

## HEAVY WEIGHT DRILL PIPE ASSEMBLY

Approx Average Length (ft)	31.50
Open End Displacement (gal/ft)	0.44
Closed End Displacement (gal/ft)	0.70
Fluid Capacity (gal/ft)	0.27
Drift Size (in)	2.438
Adjusted Weight (lbs/ft)	28.60
Internal Plastic Coating	TK34P
Hardbanding	DURABAND NC

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