

3-1/8" OD X 1.250" ID DRILL COLLAR, SLICK, AISI 4145, 2-7/8" HT PAC

## DRILL COLLAR BODY

Nominal OD (in)	3-1/8
Nominal ID (in)	1.250
Pipe Wall Thickness (in)	0.938
Surface Finish	SLICK
Grade	AISI 4145
Cross Sectional Area of Pipe Body (in <sup>2</sup> )	6.443
Cross Sectional Area OD (in <sup>2</sup> )	7.670
Cross Sectional Area ID (in <sup>2</sup> )	1.227
Section Modulus (in <sup>3</sup> )	2.919
Polar Section Modulus (in <sup>3</sup> )	5.839
Momet of Inertia Drill Collar Body (in <sup>4</sup> )	4.56
Polar Moment of Inertia Drill Collar Body (in <sup>4</sup> )	9.12

## DRILL COLLAR CONNECTION

Connection	2-7/8" HT PAC
OD (in)	3.125
ID (in)	1.250
Torsional Strength (lbs/ft)	10,300
Tensile Yield Strength (lbs)	331,100
Minimum Make-up Torque (lbs/ft)	5,100
Maximum Make-up Torque (lbs/ft)	6,200

## DRILL COLLAR ASSEMBLY

Adjusted Weight (lbs/ft)	21.65
Approx Average Length (ft)	31.00
Open End Displacement (gal/ft)	0.34
Closed End Displacement (gal/ft)	0.40
Fluid Capacity (gal/ft)	0.06
Drift Size (in)	1.125

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