



3-1/8" OD X 1.500" ID DRILL COLLAR, SLICK, AISI 4145, 2-7/8" HT PAC

DRILL COLLAR BODY

Nominal OD (in)	3-1/8
Nominal ID (in)	1.500
Pipe Wall Thickness (in)	0.813
Surface Finish	SLICK
Grade	AISI 4145
Cross Sectional Area of Pipe Body (in ²)	5.903
Cross Sectional Area OD (in ²)	7.670
Cross Sectional Area ID (in ²)	1.767
Section Modulus (in ³)	2.837
Polar Section Modulus (in ³)	5.674
Momet of Inertia Drill Collar Body (in ⁴)	4.43
Polar Moment of Inertia Drill Collar Body (in ⁴)	8.87

DRILL COLLAR CONNECTION

Connection	2-7/8" HT PAC
OD (in)	3.125
ID (in)	1.500
Torsional Strength (lbs/ft)	8,500
Tensile Yield Strength (lbs)	266,300
Minimum Make-up Torque (lbs/ft)	4,300
Maximum Make-up Torque (lbs/ft)	5,100

DRILL COLLAR ASSEMBLY

Adjusted Weight (lbs/ft)	19.83
Approx Average Length (ft)	31.00
Open End Displacement (gal/ft)	0.31
Closed End Displacement (gal/ft)	0.40
Fluid Capacity (gal/ft)	0.09
Drift Size (in)	1.375

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