

6-3/4" OD X 2.813" ID DRILL COLLAR, SPIRAL, AISI 4145, NC50

## DRILL COLLAR BODY

Nominal OD (in)	6-3/4
Nominal ID (in)	2.813
Pipe Wall Thickness (in)	1.969
Surface Finish	SPIRAL
Grade	AISI 4145
Cross Sectional Area of Pipe Body (in <sup>2</sup> )	29.570
Cross Sectional Area OD (in <sup>2</sup> )	35.785
Cross Sectional Area ID (in <sup>2</sup> )	6.215
Section Modulus (in <sup>3</sup> )	29.283
Polar Section Modulus (in <sup>3</sup> )	58.565
Momet of Inertia Drill Collar Body (in <sup>4</sup> )	98.83
Polar Moment of Inertia Drill Collar Body (in <sup>4</sup> )	197.66

## DRILL COLLAR CONNECTION

Connection	NC50
OD (in)	6.750
ID (in)	2.813
Torsional Strength (lbs/ft)	56,830
Tensile Yield Strength (lbs)	1,380,686
Minimum Make-up Torque (lbs/ft)	32,300
Maximum Make-up Torque (lbs/ft)	35,500
BSR	2.370

## DRILL COLLAR ASSEMBLY

Adjusted Weight (lbs/ft)	99.35
Approx Average Length (ft)	31.00
Open End Displacement (gal/ft)	1.54
Closed End Displacement (gal/ft)	1.86
Fluid Capacity (gal/ft)	0.32
Drift Size (in)	2.688

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