

6-1/2" OD X 2.813" ID DRILL COLLAR, SPIRAL, AISI 4145, NC50

DRILL COLLAR BODY

Nominal OD (in)	6-1/2
Nominal ID (in)	2.813
Pipe Wall Thickness (in)	1.844
Surface Finish	SPIRAL
Grade	AISI 4145
Cross Sectional Area of Pipe Body (in ²)	26.968
Cross Sectional Area OD (in ²)	33.183
Cross Sectional Area ID (in ²)	6.215
Section Modulus (in ³)	26.016
Polar Section Modulus (in ³)	52.031
Momet of Inertia Drill Collar Body (in ⁴)	84.55
Polar Moment of Inertia Drill Collar Body (in ⁴)	169.10

DRILL COLLAR CONNECTION

Connection	NC50
OD (in)	6.500
ID (in)	2.813
Torsional Strength (lbs/ft)	51,823
Tensile Yield Strength (lbs)	1,259,311
Minimum Make-up Torque (lbs/ft)	29,445
Maximum Make-up Torque (lbs/ft)	32,389
BSR	2.242

DRILL COLLAR ASSEMBLY

Approx Average Length (ft)	31.00
Open End Displacement (gal/ft)	1.40
Closed End Displacement (gal/ft)	1.72
Fluid Capacity (gal/ft)	0.32
Drift Size (in)	2.688

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