

11.000" OD X 3.000" ID DRILL COLLAR, SLICK, AISI 4145, 7-5/8" REG (LOW TORQUE FACE)

DRILL COLLAR BODY

Nominal OD (in)	11.000
Nominal ID (in)	3.000
Pipe Wall Thickness (in)	4.000
Surface Finish	SLICK
Grade	AISI 4145
Cross Sectional Area of Pipe Body (in ²)	87.965
Cross Sectional Area OD (in ²)	95.033
Cross Sectional Area ID (in ²)	7.069
Section Modulus (in ³)	129.948
Polar Section Modulus (in ³)	259.896
Momet of Inertia Drill Collar Body (in ⁴)	714.71
Polar Moment of Inertia Drill Collar Body (in ⁴)	1,429.42

DRILL COLLAR CONNECTION

Connection	7-5/8" REG (LOW TORQUE FACE)
OD (in)	10.000
ID (in)	3.000
Torsional Strength (lbs/ft)	176,000
Tensile Yield Strength (lbs)	3,190,000
Minimum Make-up Torque (lbs/ft)	91,800
Maximum Make-up Torque (lbs/ft)	101,000
BSR	3.380

DRILL COLLAR ASSEMBLY

Adjusted Weight (lbs/ft)	281.00
Approx Average Length (ft)	31.00
Open End Displacement (gal/ft)	4.57
Closed End Displacement (gal/ft)	4.94
Fluid Capacity (gal/ft)	0.37
Drift Size (in)	2.875

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