

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 <sup>2</sup> )	87.965
Cross Sectional Area OD (in <sup>2</sup> )	95.033
Cross Sectional Area ID (in <sup>2</sup> )	7.069
Section Modulus (in <sup>3</sup> )	129.948
Polar Section Modulus (in <sup>3</sup> )	259.896
Momet of Inertia Drill Collar Body (in <sup>4</sup> )	714.71
Polar Moment of Inertia Drill Collar Body (in <sup>4</sup> )	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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