

4-3/4" OD X 2.250" ID DRILL COLLAR, SLICK, AISI 4145, 3-1/2" TS6

## DRILL COLLAR BODY

Nominal OD (in)	4-3/4
Nominal ID (in)	2.250
Pipe Wall Thickness (in)	1.250
Surface Finish	SLICK
Grade	AISI 4145
Cross Sectional Area of Pipe Body (in <sup>2</sup> )	13.745
Cross Sectional Area OD (in <sup>2</sup> )	17.721
Cross Sectional Area ID (in <sup>2</sup> )	3.976
Section Modulus (in <sup>3</sup> )	9.992
Polar Section Modulus (in <sup>3</sup> )	19.984
Momet of Inertia Drill Collar Body (in <sup>4</sup> )	23.73
Polar Moment of Inertia Drill Collar Body (in <sup>4</sup> )	47.46

## DRILL COLLAR CONNECTION

Connection	3-1/2" TS6
OD (in)	4.750
ID (in)	2.250
Minimum Make-up Torque (lbs/ft)	6,900
Maximum Make-up Torque (lbs/ft)	8,800
BSR	2.350

## DRILL COLLAR ASSEMBLY

Adjusted Weight (lbs/ft)	43.50
Approx Average Length (ft)	31.00
Open End Displacement (gal/ft)	0.71
Closed End Displacement (gal/ft)	0.92
Fluid Capacity (gal/ft)	0.21
Drift Size (in)	2.125

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