



4-3/4" OD X 2.250" ID DRILL COLLAR, SLICK, ERS425, 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	ERS425
Cross Sectional Area of Pipe Body (in ²)	13.745
Cross Sectional Area OD (in ²)	17.721
Cross Sectional Area ID (in ²)	3.976
Section Modulus (in ³)	9.992
Polar Section Modulus (in ³)	19.984
Momet of Inertia Drill Collar Body (in ⁴)	23.73
Polar Moment of Inertia Drill Collar Body (in ⁴)	47.46

DRILL COLLAR CONNECTION

Connection	3-1/2" TS6
OD (in)	4.750
ID (in)	2.250
Torsional Strength (lbs/ft)	27,560
Tensile Yield Strength (lbs)	405,000
Minimum Make-up Torque (lbs/ft)	7,100
Maximum Make-up Torque (lbs/ft)	8,900

DRILL COLLAR ASSEMBLY

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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