

8.000" OD X 2.813" ID DRILL COLLAR, SPIRAL, AISI 4145, 6-5/8" REG

## DRILL COLLAR BODY

|  |           |
|--|-----------|
| Nominal OD (in)  | 8.000     |
| Nominal ID (in)  | 2.813     |
| Pipe Wall Thickness (in)                                     | 2.594     |
| Surface Finish   | SPIRAL    |
| Grade  | AISI 4145 |
| Cross Sectional Area of Pipe Body (in <sup>2</sup> )         | 44.051    |
| Cross Sectional Area OD (in <sup>2</sup> )                   | 50.265    |
| Cross Sectional Area ID (in <sup>2</sup> )                   | 6.215     |
| Section Modulus (in <sup>3</sup> )                           | 49.497    |
| Polar Section Modulus (in <sup>3</sup> )                     | 98.994    |
| Momet of Inertia Drill Collar Body (in <sup>4</sup> )        | 197.99    |
| Polar Moment of Inertia Drill Collar Body (in <sup>4</sup> ) | 395.98    |

## DRILL COLLAR CONNECTION

|            |            |
|------------|------------|
| Connection | 6-5/8" REG |
| OD (in)    | 8.000      |
| ID (in)    | 2.813      |

## DRILL COLLAR ASSEMBLY

|                                  |       |
|----------------------------------|-------|
| Approx Average Length (ft)       | 31.00 |
| Open End Displacement (gal/ft)   | 2.29  |
| Closed End Displacement (gal/ft) | 2.61  |
| Fluid Capacity (gal/ft)          | 0.32  |
| Drift Size (in)                  | 2.688 |

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