

8-1/4" OD X 2.813" ID DRILL COLLAR, SPIRAL, AISI 4145, 6-5/8" REG

DRILL COLLAR BODY

Nominal OD (in)	8-1/4
Nominal ID (in)	2.813
Pipe Wall Thickness (in)	2.719
Surface Finish	SPIRAL
Grade	AISI 4145
Cross Sectional Area of Pipe Body (in ²)	47.241
Cross Sectional Area OD (in ²)	53.456
Cross Sectional Area ID (in ²)	6.215
Section Modulus (in ³)	54.382
Polar Section Modulus (in ³)	108.763
Momet of Inertia Drill Collar Body (in ⁴)	224.32
Polar Moment of Inertia Drill Collar Body (in ⁴)	448.65

DRILL COLLAR CONNECTION

Connection	6-5/8" REG
OD (in)	8.250
ID (in)	2.813
Torsional Strength (lbs/ft)	86,891
Tensile Yield Strength (lbs)	1,856,064
Minimum Make-up Torque (lbs/ft)	53,300
Maximum Make-up Torque (lbs/ft)	58,600
BSR	2.930

DRILL COLLAR ASSEMBLY

Adjusted Weight (lbs/ft)	158.73
Approx Average Length (ft)	31.00
Open End Displacement (gal/ft)	2.45
Closed End Displacement (gal/ft)	2.78
Fluid Capacity (gal/ft)	0.32
Drift Size (in)	2.688

All information contained herein is provided for reference/illustration purpose only. Data compiled are using information available from respective Manufacturer and/or other public sources. Even though due care has been exercised while compiling the data. PETRO PIPE accept no responsibility or liability for its accuracy, errors, omissions or misinterpretation. User is advised to examine the suitability and accuracy by their own resources.