



DOC TITLE: SPIRAL DRILL COLLAR PERFORMANCE DATA SHEET

DOC. NO. TAS-RT-SDC-006

REV: NA

Page 1 of 1

4-3/4" SPIRAL DRILL COLLAR PERFORMANCE DATA SHEET

Spiral DC Size & Weight: 4-3/4" x 2.250 ID
Material Grade: AISI 4145-H mod.
Length (ft): 31.6
Connection: NC38

IMPERIAL UNIT

SPIRAL DRILL COLLAR DIMENSIONS

Technical Details

Pipe Body

Outside Diameter (OD)	in	4.750
Inside Diameter (ID)	in	2.250
Shoulder type	in	18°
Overall Length (New)	ft	31.500
Plain End Weight (lbs/ft)	lbs/ft	46.68
Box Tong Space	inch	23.6
Pin Tong Space	inch	29.5

Connection

Connection Type		NC38
Outside Diameter (OD)	in	4.750
Inside Diameter (ID)	in	2.250
BB+SRG		Yes
Connection Tensile Strength	lbs	725,000
Con.Torsional Strength	ft-lbs	17,600
Recom. Make-Up Torque	ft-lbs	11,000
Bending Strength Ratio (BSR)		1.917

SPIRAL DRILL COLLAR DIMENSIONS

Technical Details

Pipe Body

Cross Sectional Area of Pipe Body	in sq	13.744
Cross Sectional Area of OD	in sq	17.721
Cross Sectional Area of ID	in sq	3.976
Sectional Modulus	in Cu	9.992
Polar Section Modulus	in Cu	19.984

Drill Collar Assembly

Adjusted Weight	lbs	46.68
Approximate Length	ft-lbs	31.6
Drift Size	inch	2.125
Fluid Displacement	gal/ft	0.714
Fluid Capacity	gal/ft	0.207

The use of the information is based on the readers discretion. No warranty is implied or expressed by Tasman Oil Tools with the use of information contained herein. The information contained in this Performance Data Sheet is subject to revision without notice.