

Equipment No's: Ref. Enclosed page

Spec. No.:

DP-5-03

TECHNICAL SPECIFICATIONS

5" OD Drill Pipe, S-135, NC-50 Vam Eis Conn's.

New
Premium

80% Remaining Body Wall

DESCRIPTION

Type

IEU, 19.5 #

Range

3

Conventional=welded T-J. / Integral=Monoblock

Conventional

TUBE DATA

Material grade				S-135	
Internal plastic coating				TK-34P	
Tube body OD x ID	inch	5,000	4,276	4,855	4,276
Wall thickness, nominal	inch		0,362		0,290
Cross Sectional Area	inch ²		5,275		4,152
Polar Sectional Modulus	inch ³		11,415		8,949
Tensile yield pipe	lbf		712 100		560 600
	kN		3 168		2 494
Torsional yield pipe	lbf-ft		74 100		58 100
	kNm		100,5		78,8
80% Torsional Yield	lbf-ft		59 280		46 480
	kNm		80,4		63,0

CONNECTIONS DATA

Connection type				NC-50 Vam Eis	
Material grade				130ksi	
Hardbanding				Arnco- 300 XT	
OD x ID	inch	6,625	3,250	6,313	3,250
B.S.R.	x : 1		2,43		1,97
Tensile yield tooljoint	lbf		1 353 900		1 255 500
	kN		6 022		5 585
Torsional yield tooljoint	lbf-ft		80 700		76 000
	kNm		109,4		103,0
Make up torque (Max.)	lbf-ft		46 000		43 300
	kNm		62,4		58,7

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio			1,09		1,39
Drift diameter	inch			3,125	
Type of elevator shoulder				18°	
Burst pressure	psi		17 100		15 600
	Mpa		118		108
Collapse pressure	psi		15 700		10 000
	MPa		108		69
Adjusted weight	lbs/ft			22,8	
	kg/mtr			33,9	
Approx weight each joint	lbs			1 030	
	kg			467	
Capacity	gal/ft			0,73	
	ltr/mtr			9,07	
Open end displacement	gal/ft			0,33	
	ltr/mtr			4,10	
Closed end displacement	gal/ft			1,06	
	ltr/mtr			13,16	
Built In Length (shoulder to shoulder)	ft			45,28	
	mtr.			13,80	

Calculated using nominal OD & ID. Safety & Dope friction factor used: 1.0

Values herein is meant as guidelines only. Odfjell will not be held liable for any damage or injuries !

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
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OWS-DP-55-EIS	113	9636 - 9744 / 23069 - 23127