

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-09

TECHNICAL SPECIFICATIONS

5" OD Drill Pipe, G-105, NC-50 DSTJ Conn's.

New

Premium

80% Remaining Body Wall

DESCRIPTION

Type IEU, 19.5 #
 Range 2
 Conventional=welded T-J. / Integral=Monoblock Conventional

TUBE DATA

Material grade				G-105	
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	553 800			435 960
	kN	2 463			1 939
Torsional yield pipe	lbf-ft	57 600			45 200
	kNm	78,1			61,3
80% Torsional Yield	lbf-ft	46 080			36 160
	kNm	62,5			49,0

CONNECTIONS DATA

Connection type				NC-50 DSTJ	
Material grade				130ksi	
Hardbanding				Arnco-300XT	
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			1 254 900
	kN	6 022			5 582
Torsional yield tooljoint	lbf-ft	71 200			66 000
	kNm	96,5			89,5
Make up torque (Max.)	lbf-ft	49 900			46 200
	kNm	67,7			62,6

OPERATIONAL DATA

Tool-joint/Drill-pipe torsional ratio		1,24		1,58	
Drift diameter	inch		3,125		
Type of elevator shoulder			18°		
Burst pressure	psi	13 300			12 200
	Mpa	92			84
Collapse pressure	psi	13 000			8 800
	MPa	90			61
Adjusted weight	lbs/ft		22,8		
	kg/mtr		33,9		
Approx weight each joint	lbs		718		
	kg		326		
Capacity	gal/ft		0,73		
	ltr/mtr		9,04		
Open end displacement	gal/ft		0,35		
	ltr/mtr		4,35		
Closed end displacement	gal/ft		1,08		
	ltr/mtr		13,39		
Built In Length (shoulder to shoulder)	ft		31,5		
	mtr.		9,6		

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>
OWS-DP-8505-DSTJ	486	OWS-G001 to OWS-G486