

## TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-09

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

**New**

**Premium**

80% remaining Body Wall

**DESCRIPTION**

Type  
Range  
Conventional=welded T-J. / Integral=Monoblock

IEU, 19.5 #

2

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 <sup>2</sup>	5,275		4,152	
Polar Sectional Modulus	inch <sup>3</sup>	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	

#### CONNECTION 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	

#### OPERATION 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 !

<b><i>String number:</i></b>	<b><i>Joints:</i></b>	<b><i>Individual serial numbers:</i></b>
OWS-DP-8505-DSTJ	486	OWS-G001 to OWS-G486