

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5-08

5" OD Drill Pipe, G-105, NC-50 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			0,500
Cross Sectional Area	inch ²	5,275			4,152
Polar Sectional Modulus	inch ³	11,415			8,949
Tensile yield pipe	lbf	553 800			436 000
	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 Standard			
Material grade		120ksi			
Hardbanding		Armacor-M			
OD x ID	inch	6,625	3,625/3,25	6,313	3,625/3,25
B.S.R.	x : 1	2,80/2,43			2,28/1,97
Tensile yield tooljoint	lbf	1 250 000			1 158 000
	kN	5 560			5 151
Torsional yield tooljoint	lbf-ft	57 500			47 300
	kNm	70,1			64,1
Make up torque (Max.)	lbf-ft	31 000			28 000
	kNm	42,0			38,5

OPERATION DATA

Tool joint/Drill pipe torsional ratio		0,90			1,14
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			22,0	
	kg/mtr			32,7	
Approx weight each joint	lbs			695	
	kg			315	
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			31,60	
	mtr.			9,63	

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 !

String number:	Joints:	Individual serial numbers:
OWS-DP-8502	127	A617-001 to A617-985
OWS-3673	127	OWS-001 to OWS-127