

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.5-09

5-1/2" OD Drill Pipe, G-105, GPDS-55 Conn's.

New

Premium

80% remaining Body Wall

DESCRIPTION

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

IEU, 21.90 #
2
Conventional

TUBE DATA

Material grade		G-105			
Internal plastic coating		TK-34P			
Tube body OD x ID	inch	5,500	4,778	5,355	4,778
Wall thickness, nominal	inch	0,361		0,289	
Cross Sectional Area	inch ²	5,828		4,592	
Polar Sectional Modulus	inch ³	14,062		11,042	
Tensile yield pipe	lbf	612 000		482 200	
	kN	2 722		2 145	
Torsional yield pipe	lbf-ft	71 000		55 750	
	kNm	96,3		75,6	
80% Torsional Yield	lbf-ft	56 800		44 600	
	kNm	77,0		60,5	

CONNECTION DATA

Connection type		GPDS-55			
Material grade		120ksi			
Hardbanding		Arnco-300XT			
OD x ID	inch	7,000	4,000	6,719	4,000
B.S.R.	x : 1	NA		NA	
Tensile yield tooljoint	lbf	1 292 500		1 265 800	
	kN	5 749		5 631	
Torsional yield tooljoint	lbf-ft	74 200		60 500	
	kNm	100,6		82,0	
Make up torque (Max.)	lbf-ft	44 500		36 300	
	kNm	60,3		49,2	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		1,05	1,33		
Drift diameter	inch	3,875			
Type of elevator shoulder:		18°			
Burst pressure	psi	12 100		11 000	
	Mpa	83		76	
Collapse pressure	psi	10 800		6 800	
	MPa	74		47	
Adjusted weight	lbs/ft	24,83			
	kg/mtr	37,0			
Approx weight each joint	lbs	782			
	kg	355			
Capacity	gal/ft	0,90			
	ltr/mtr	11,21			
Open end displacement	gal/ft	0,380			
	ltr/mtr	4,72			
Closed end displacement	gal/ft	1,28			
	ltr/mtr	15,93			
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 !

<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-8503	375	ON-001 to ON-400