

TECHNICAL SPECIFICATIONS

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.5-04

5-1/2" OD Drill Pipe, G-105, 5-1/2" FH. DSTJ 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		5-1/2" FH. DSTJ			
Material grade		130ksi			
Hardbanding		Arnco-300XT			
OD x ID	inch	7,000	3,500	6,719	3,500
B.S.R.	x : 1	1,97		1,64	
Tensile yield tooljoint	lbf	1 516 600		1 122 600	
	kN	6 746		4 994	
Torsional yield tooljoint	lbf-ft	88 350		68 350	
	kNm	119,8		92,7	
Make up torque (Max.)	lbf-ft	61 800		47 800	
	kNm	83,8		64,8	

OPERATIONAL DATA

Tool joint/Drill pipe torsional ratio		1,24	1,58
Drift diameter	inch	3,375	
Type of elevator shoulder:		18°	
Burst pressure	psi	12 100	
	Mpa	83	
Collapse pressure	psi	10 800	
	MPa	74	
Adjusted weight	lbs/ft	26,4	
	kg/mtr	39,3	
Approx weight each joint	lbs	831	
	kg	377	
Capacity	gal/ft	0,869	
	ltr/mtr	10,79	
Open end displacement	gal/ft	0,403	
	ltr/mtr	5,00	
Closed end displacement	gal/ft	1,27	
	ltr/mtr	15,80	
Built In Length (shoulder to shoulder)	ft	31,50	
	mtr.	9,60	

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-8511	647	OWS-G001 to OWS-G647