

Equipment No's: Ref. Enclosed page

Spec. No.: DP-5.5-04

TECHNICAL SPECIFICATIONS

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

New
Premium

80% Remaining Body Wall

DESCRIPTION

Type IEU, 21.90 #
 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	5,500	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	

CONNECTIONS DATA

Connection type				5-1/2" FH. DSTJ	
Material grade				130 ksi	
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		11 000	
	Mpa	83		76	
Collapse pressure	psi	10 800		6 800	
	MPa	74		47	
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 !

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<i>String number:</i>	<i>Joints:</i>	<i>Individual serial numbers:</i>
OWS-DP-8511	647	OWS-G001 to OWS-G647